

SMOKE SIGNALS

For Radio Amateurs • By Radio Amateurs

Published Monthly Since 1969 • Our 24th Year
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Vol. 24 No. 11 - 287th Consecutive Monthly Issue - Baraboo, Wisconsin - November 1993

Wausau Students Get Live TV from Space

Students at Wausau's St. Matthew Middle School can now watch live television from space, thanks to the Wausau Knights of Columbus and the Rib Mountain Amateur Television Society. The equipment, purchased by a K of C grant, was installed by members of RMATS. The school can now receive 421.25 MHz transmissions from the AD9W Amateur Television repeater on Rib Mountain near Wausau. This repeater provides NASA Select programming during Space Shuttle and deep space probe missions. Mission highlights of the flight of the shuttle Discovery on mission STS-51 were used in the classroom to demonstrate problems of working in microgravity. The school has also obtained computer software that allows students to track the orbital position of a shuttle during a mission. This equipment is expected to also be used during the Wausau Public School System's annual "Dream Flight Wausau" mission of the "Apollo Condor," a school bus modified to resemble a Space Shuttle. In the photo are, left to right, Ed Wall, St. Matthew's math and science teacher; Dean Andrewjeski, AD9W; Paul Nelles, K9DB, Rib Mountain Amateur Television Society; and Sy Deininger, Knights of Columbus.

- Paul Nelles, K9DB;
photo courtesy A Mountain
Studio, Wausau; Space
Shuttle model courtesy
Pope's Hobbyland, Wausau



*Happy
Thanksgiving!*

Support Grows in Congress

Joint Resolution Continues to Gain Momentum

97 members of the U.S. House of Representatives and 15 U.S. Senators have become co-sponsors of the Amateur Radio Service Joint Resolution, which was introduced in the Senate on May 7 and in the House on May 20.

At its January 1993 meeting, the ARRL Board of Directors paved the way for the resolution, with a motion by New England Division Director Bill Burden, WB1BRE, that read:

"VOTED that our Washington team is authorized to seek formal recognition by the 103rd Congress of the role played by the Amateur Radio Service as a national resource in preparation for and relief from disasters, and for technical progress in electronics."

The task now, as always, is to line up more co-sponsors for both S.J. Res. 90 (the Senate version) and H.J. Res. 199 (the House resolution), as quickly as possible. Mail from constituents at home to senators and representatives is especially important to the passage of a joint resolution.

U.S. senators and representatives are listed in the U.S. Government section of local telephone directories.

Rep. Mike Kreidler (D-WA), an original co-sponsor of the House Resolution, lauded amateurs for their public service communications work, saying in his introductory statement "It is about time for the Congress to recognize these achievements. With about 600,000 licensed amateur radio

Please turn to page 6

La Crosse Amateur Radio Weekend a Success

Amateur Radio weekend in La Crosse, Wisconsin was a nice success, according to the hams involved in the project this year. La Crosse Mayor Patrick Zielke proclaimed the weekend of October 9-10 as Amateur Radio Weekend in La Crosse, recognizing ham radio's benefits to public service.

As a part of that event, a demonstration of ham radio was set up at Riverside Park and manned by area ham operators. Included in the demonstration was the Riverland Amateur Radio Club's emergency communications trailer and several displays of communication techniques. The club will be conducting classes for prospective new hams this fall, and the event was used as a means to recruit more students for the class.

Two of the three local television stations covered the event. The La Crosse County Amateur Radio Emergency Service jointly sponsored the event, along with the Riverland Club.

A special thanks to all of the hams who helped make the event possible, including Nook Bentzen, K9EGO; Arby Boomer, WF9T; Karl Simonson, KB9EQI; Clarence Crum, N9NXW; Bill Wood, KE9XQ; Rick Williams, KV9U; Judy Williams, N9LGV; Karyia Williams, N9TMW; Walt Altus; AA9AW; Feroz Ghouse, WU9N; Bob Wilson, N9LZK; Scott Neader, KA9FOX; and Dick Low, K0JYB.

- Kent Helman, W9LZQ, West Central WI DEC

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Wisconsin Repeater Directory

Pages 7 and 8 • Courtesy of the Wisconsin Association of Repeaters

ELMER

By Rich Regent, K9GDF



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What's Happening

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Edited by Kenneth A. Ebnetter, K9EN • 822 Wauona Trail • Portage, WI 53901

Swapfests and Other Social Events

SATURDAY, NOVEMBER 6, 1993. 9th annual 6.91 Friendly Fest sponsored by the Milwaukee Repeater Club. 8:00 am to noon at St. John the Evangelist Congregation, 8500 W. Cold Spring Rd. Tickets: \$4.00 advance or \$5.00 at the door. Tables: \$4.00 for four foot tables and \$8.00 for eight foot tables. Contact: Milwaukee Repeater Club, PO Box 2123, Milwaukee, WI 53201.

SUNDAY, JANUARY 9, 1994. WARAC 22nd annual Midwinter Swapfest, Waukesha County Expo Center Forum, Waukesha, WI. Free coffee and donuts until 9:00 a.m. Amateur Radio exams. Admission: \$3.00 advance or \$4.00 at the door. Tables (4 ft) \$4.00 or \$5.00 at the door. Electrical outlet: \$5.00 (if available) Contact: WARAC Swapfest, PO Box 1072, Milwaukee, WI 53201-1072. (see the ad on the back page, and watch for the full flyer ad with map in upcoming issue.)

SUNDAY, MARCH 10, 1994. Tri-County Hamfest, Jefferson, WI. Contact TCARC, W9MQB, 213 Frederick, Fort Atkinson, WI 53538. (414) 563-6381 (evenings).

SUNDAY, APRIL 10, 1993. 22nd Annual MARA swapfest held at the Dane County Exposition Center Forum Building in Madison, WI. Contact MARA PO Box 8890, Madison, WI 53708-8890., or call Jim Waldorf, KB9AQQ (608) 249-7579.

SUNDAY, APRIL 17, 1994. Rockford, IL Hamfest. Contact P.O. Box 6931 Rockford, IL 61125 (815) 399-6995.

SATURDAY, JULY 9, 1994. South Milwaukee Swapfest at Oak Creek, WI. Contact: SMARC, P.O. Box 102, South Milwaukee, WI 53172. (414) 762-3235 ext. 58.

SUNDAY, JULY 31, 1994. Racine Hamfest, Racine, WI. Contact RMC, PO Box 3, Racine, WI.

(414) 554-7565.

SATURDAY, NOVEMBER 6, 1994. FRIENDLYFEST, Milwaukee, WI. Contact MRC, Inc. PO Box 37991, Milwaukee, WI 53237-0991.

See also the back page and flyers ads for addition information about many of the above events.

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming Swapfest, Hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. In addition, space is available at attractive rates on our advertising pages. For information on rates and requirements for our advertising pages, please contact K9ZZ or K9EN.

Club Meetings



Due to space limitations we cannot always carry the full listing of Wisconsin and area club meetings. Please save the following listings for your future reference. We hope to have the full listing at least three times a year, and will carry any changes or additions between full listings.

BADGER AMATEUR RADIO SOCIETY
(W9YT - U. W. - MADISON)

Monthly while school in session - 2nd Tue. - 5:30 p.m. - B-265G, Electrical Engineering Bldg. For more information call (608) 262-1142.

CENTRAL WISCONSIN RADIO AMATEURS, LTD.
(STEVENS POINT)

Second Wed..

EAU CLAIRE AMATEUR RADIO CLUB

2nd Tue. - 7:30 p.m. - Parks and Recreation Bldg., Oxford and 1st Streets, Eau Claire. Hams, guests welcome. Travelers welcome on wide area club repeater K9UXP, 146.31/91.

FOUR LAKES AMATEUR RADIO CLUB (MADISON WI)

First and third Tues - 7:30 p.m. - Red Cross Bldg., 4860 Sheboygan Ave., room "C" downstairs. It is the next building west of the Hill Farms State Office building. The meetings start promptly at 7:30 pm.

FOX CITIES AMATEUR RADIO CLUB

Third Mon. - 7:00 p.m. - Roosevelt Jr. High School, 318 E. Brewster St., Appleton. Info: (414) 766-3886.

GREATER MILWAUKEE DX ASSOCIATION

Fourth Mon. of the month at 7:30 p.m. Contact any GMDX member or Dan Reese, N9XX, (414) 529-9806 (before 9 p.m. please) for meeting location.

GREEN BAY MIKE AND KEY CLUB

Second Thur. 7:30 pm - Media Services area of the J. M. Science Building at St. Norbert College in DePere.

GREEN FOX AMATEUR RADIO CLUB

Third Mon. - 7:30 p.m. - Green Lake Town Hall, int. of county hwy. K and N.

KETTLE MORAINES RADIO AMATEURS

Second Fri., 7:30 p.m. at the Waukesha County Technical College, Campus Science Building, Room 102. Talk-in on the N9KS 147.39 repeater.

LAKESHORE RPTR. ASSN.

Last Tue., Jan., Apr., Jul., & Oct., 7:30 p.m. Red Cross Bldg., 4521 Taylor Ave., Racine, WI.

MADISON AREA REPEATER ASSN

The meeting schedule for 1991 is as follows: Nov. 11..

MANITOWOC COUNTY RADIO AMATEURS

Directors Meeting: First Wed.

General meeting: Second Wed.

Both meetings held at 7:30 p.m. in the basement, Manitowoc City Hall, 817 Franklin ST., Manitowoc.

MENOMONEE FALLS AMATEUR RADIO CLUB

Last Tue. - Doors open 7:30 p.m., meeting begins 8:00 p.m. - Security Savings and Loan, Menomonee Falls. Amateurs and guests welcome.

MILWAUKEE RADIO AMATEURS CLUB

Last Thursday, Wauwatosa Savings and Loan (lower level) at 7500 W. State St. in Wauwatosa. No meetings in July, August and December.) Meetings begin at 7:00 pm.

NORTHERN WISCONSIN RADIO CLUB

4th Tue. - 7:30 p.m., Sept. through April. Peppermill Restaurant, Thunderbird Mall North, Menomonie, WI. Guests welcome.

NORTHWOODS ARC (RHINELANDER WI)

Third Tue.. Doors open at 7:00 p.m. Meeting at 7:30 p.m. South Park School, Rhineland, WI. Talk-in on 146.93/.34. All interested visitors to the Northwoods are welcomed.

OZAUKEE RADIO CLUB

Second Wed. - 7:30 p.m. - Grafton Multipurpose Senior Center.

Badger State Smoke Signals

**Amateur Radio
Education and Information**

CHAIRMAN: Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560.

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CONTRIBUTING AUTHOR: Richard R. Regent, K9GDF, 5003 South 26th Street, Milwaukee, WI 53221.

Subscriptions

1 year	(12 issues)	\$9.75
2 years	(24 issues)	\$18.00
3 years	(36 issues)	\$26.00

Special club package reduced rates are available. For information, contact Ken Ebnetter, K9EN.

When to Send It

The closing date for each issue is the first of the month for the next month's issue. For example, the closing date for the June issue is May 1.

The only exception is for participating clubs. Participating clubs are requested to send their material no later than **FIVE DAYS** after the club's meeting. For example, if a club meets on the 4th of the month, the

material should be sent no later than the 9th of that month. This material is to be sent to the Editor.

Where to Send It

Address changes and corrections should be sent to Ken Ebnetter.

Editorial material, photographs, feature articles, display ads, and exchange papers should be sent to Jim Romelfanger.

Inquiries about advertising should be directed to Ken Ebnetter.

Swapfest information should be sent to Ken Ebnetter. Swapfest ads should be sent to Jim Romelfanger.

Subscriptions should be sent, with check or money order, to Jim Decker.

Conditions for Reprinting or BBS Posting Material from Badger State Smoke Signals

Permission is hereby granted to reprint articles or posting articles on radio or telephone bulletin boards from *Badger State Smoke Signals*, providing credit is given to the original author, publication in which the article first appeared, and to *Badger State Smoke Signals*. **THIS CREDIT IS MANDATORY, AND NO MATERIAL MAY BE PRINTED OR POSTED UNLESS IT IS GIVEN.** This newspaper is produced by volunteer Radio Amateurs, and is non-profit. This newspaper is mailed from Portage, WI 53901.

Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

QCWA - WISCONSIN CHAPTER #55

Contact Erwin Froelich, W9KZW, Treasurer, Rte 1 Box 177D, Pine River WI 54965. For information about meeting dates or joining QCWA Chapter #55. The Wisconsin Chapter holds Spring and Fall dinner meetings.

QCWA - SOUTHEAST WISCONSIN CHAPTER #162

Meets third Mon. monthly, 7:30 p.m., Around the Clock Restaurant, 3012 Rapids Drive, Racine.

RACINE MEGACYCLE CLUB

Second Mon., 7:30 p.m., Red Cross Bldg., 4521 Taylor Ave., Racine, WI

RIVERLAND AMATEUR RADIO CLUB

First Tue. - 7:00 p.m. - Onalaska Community Center, Onalaska WI.

ROCK RIVER RADIO CLUB

Monthly - first Tue. - 7:00 p.m. at Dodge County Sheriff's Department, 141 N. Main, Juneau, WI.

ARES Net: 146.04/146.64 Mon.s at 7:30 p.m. Sat.s on 7277 KHz at 10:30 a.m.

SHEBOYGAN COUNTY AMATEUR RADIO CLUB

Second Tue. - 7:00 p.m. - Sheboygan Red Cross/Boy Scout Bldg., 2032 Erie Ave.

SOUTH MILWAUKEE AMATEUR RADIO CLUB

First Wed. - Legion Post 434, Shepard Ave., Oak Creek WI. Auctions in March and October.

TAYLOR COUNTY AREA AMATEUR RADIO CLUB (TCAARC) MEDFORD

Usually the 1st Thur. of the month at 7:00 PM sharp. Usual location: emergency government meeting room/Red Cross office, basement of Sheriff's Annex to Taylor County Courthouse, 2nd and Ogden Sts., Medford, WI. Talk-in on 147.15 (+600) repeater. Amateurs & guests are welcome. ARES Net, Wed. nights at 8:30 PM on 147.15 (+600) repeater. For info contact: Mike Schoenfuss, N9GHZ, P.O. Box 401, Abbotsford, WI 54405, phone (715) 223-3996.

TRI-COUNTY AMATEUR RADIO CLUB

Meetings held at members homes. Usually monthly on Sunday afternoon. Contact: Glenn Eisenbrandt, (414) 563-6502 or John Saterlee, (414) 563-6381.

WASHINGTON COUNTY AMATEUR RADIO CLUB

Second Thursday, 7:30 p.m., Washington County Court House. Net on Thursdays at 7:30 p.m. on 146.73.

WATERTOWN AMATEUR RADIO CLUB

First Thur. of the month at 7:00 p.m., The Watertown Public Library, 100 S. Water St., Watertown, WI.

WAUPACA AMATEUR RADIO CLUB

First Sat. in March, June, September and December, at 9:30 a.m. at the Waupaca Fire Station in downtown Waupaca.

"Q" First Tue. - A social gathering and dutch treat luncheon at the King's Table in King, WI, on Highway QQ just south of highways 10 and 54 on the west side of Waupaca.

WEST ALLIS RADIO AMATEUR CLUB

Second Tue. - 8:00 p.m. - St. Peters Episcopal Church, 7929 Lincoln Ave. Entrance is at rear of building on alley.

WISCONSIN ASSOCIATION OF REPEATERS

Meetings are held Quarterly, with time and location to be announced. Repeater licensees, trustees, and sponsors are urged to attend W.A.R. meetings. All interested parties are welcome, as well.

WISCONSIN VALLEY RADIO ASSOCIATION (WAUSAU)

First Tue. - 7:30 p.m. - Location varies; info on 146.04/64, Wausau.

YELLOW THUNDER AMATEUR RADIO CLUB (BARABOO)

Days rotate: Scheduled meeting dates:

Thu. Sep. 16, Tue. Oct. 12, Wed. Nov. 17, Thu. Dec. 12.

All meetings, at the Baraboo Civic Center, Baraboo, WI. Meetings start 7:30 p.m.

Let Badger State Smoke Signals know your club's meeting dates, and we will let our readers know of your meetings and activities. There may be Amateurs in your area interested in joining your club, or members of other clubs interested in making an interclub visit.

The Test Point



Amateur Radio Examination Locations and Schedules in the Wisconsin Area

The following are known locations where Amateur Radio license examinations are scheduled in the Badger State area.

November 6, 1993	Racine, WI
November 6, 1993	Menomonie, WI
November 6, 1993	Adams, WI
November 7, 1993	Kaukauna, WI (Hamfest)
November 13, 1993	Madison, WI
November 13, 1993	Marshfield, WI
November 13, 1993	Oak Creek, WI (SWAT)
November 17, 1993	West Allis, WI (MRAC)
November 20, 1993	Milwaukee, WI (BE)
November 20, 1993	Dubuque, IA
November 27, 1993	Wauwatosa, WI (MRAC)
December 1, 1993	Racine, WI
December 4, 1993	Stevens Point, WI
December 11, 1993	Madison, WI
December 11, 1993	River Falls, WI
December 11, 1993	Oak Creek, WI (SWAT)
December 15, 1993	West Allis, WI (MRAC)
December 18, 1993	Milwaukee, WI (BE)
January 9, 1994	Waukesha, WI (Midwinter Swapfest)
January 15, 1994	Milwaukee, WI (BE)
January 22, 1994	Appleton, WI
February 19, 1994	Milwaukee, WI (BE)
March 19, 1994	Appleton, WI
March 26, 1994	Menomonie, WI
May 7, 1994	Manitowoc, WI (Lakeshore Hamfest)
June 11, 1994	Appleton, WI
September 17, 1994	Appleton, WI
November 5, 1994	Menomonie, WI
November 6, 1994	Kaukauna, WI (Hamfest)
Monthly, 1st Sat.	Racine, WI (except January, July & August)
Monthly, 2nd Sat.	Madison, WI
Monthly, 2nd Sat.	Oak Creek, WI (SWAT/MRAC)
Monthly, 3rd Wed.	West Allis, WI (MRAC)
Monthly, 3rd Sat.	Loves Park, IL
Monthly, Last Sat.	Wauwatosa, WI (MRAC) (except December)
Monthly, Last Sat.	Tomahawk, WI (January thru October only)

Many Swapfests/Hamfests offer exam sessions. If not shown above contact the sponsoring club in the Swapfest column on page 2.

The FCC now requires applicants to show their ORIGINAL AMATEUR LICENSE to the VEC. A copy of your license must be attached to your FCC form 610. You will also be required to have a photo ID, or other acceptable identification.

GENERAL RULES

FOR MOST EXAMINATIONS:

Be sure to check with sponsors in the event there are changes and/or errors in the dates or information given.

Most examinations require filing an FCC Form 610 and advance registration at least 30 days before the exam date. (Some VECs permit walk-ins. Check with sponsor.)

To register, you must first secure a copy of the current FCC Form 610 and fill it out completely (AND CORRECTLY). Get your form from an FCC Field Office, the ARRL or Badger State Smoke Signals. Send a 29¢ SASE if you request one from the ARRL or BSSS. In most cases, forms can also be obtained from the sponsoring group.

ARRL/VEC examinations require a check for \$5.60 payable to "ARRL/VEC".

The FCC now requires applicants to show their ORIGINAL AMATEUR LICENSE or CSCE to the VEC. You must also have two good copies of your license or CSCE. A copy of your license or CSCE must be attached to your FCC form 610 and most VEC want a copy for their records. You will also be required to have a photo ID, or other acceptable identification.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only.

Additional information is given below.

MILWAUKEE RADIO AMATEURS' CLUB (MRAC/VEC)

OAK CREEK, WI (SWAT -MRAC/VEC)

SECOND SATURDAY DATES: 1:00 p.m. at Wauwatosa Savings and Loan Branch, 6560 S. 27th St., Oak Creek, WI. (MRAC/VEC fee \$5.00)

THIRD WEDNESDAY DATES: At 6:30 p.m. at Park Manor, 3023 S 84th St., West Allis, WI.

LAST SATURDAY DATES (except December): 8:30 a.m. at Wauwatosa, WI.

For Additional Information Contact; Jack Krause, (414) 774-6999 or call (414) 466-HAMS (Answering Machine) or write MRAC, 1737 N. 116th St., Wauwatosa, WI 53226.

Bring along your ORIGINAL license or CSCE and two (2) good quality photocopies, plus two forms of identification, such a driver's license, etc. Also required are a pen and \$5.00 (except Novice) for the exam fee. WALK-INS are welcome. To register in advance, use a post card: print the grade of license you are applying for, and your name, address, and telephone number. Send the card to MRAC/VEC, c/o Jack Krause, W9JK, or Les Peterson, W9YCV at the addresses shown above.

BADGER EXAMINERS (BE) - MILWAUKEE

November 20, December 18, 1993, January 15, and February 19, 1994.

Unless otherwise noted, examinations are administered beginning at 9:00 a.m. to Noon, at WMSV-TV studios, MATC Downtown campus in the C building. The address is 1036 N. 8th Street, Milwaukee. Walk-ins are welcome. To register in advance, send a post card with your name, test or tests you wish to take, date you wish to take., your call sign, address and telephone number to Badger Examiners, Gary J. Sharbuno, W19M, 5119 W. Willow Rd., Brown Deer, WI 53223. Telephone (414) 355-0237.

Also available now will be FCC General Radio Telephone Commercial exams. Fees are \$5.60 for the Amateur Radio exams and \$35.00 for the commercial exams.

ADAMS, WI (ARRL/VEC)

November 6, 1993, 9:00 a.m. at the Midstate Technical College, Adams, WI. Administered by the Wisconsin Rapids ARC. Contact: Gene Santoski, K9UTQ. (715) 423-6368.

MADISON, WI

VE exams are held in Madison every second Saturday morning (September through May) of the month at 8 a.m. They are held at the operations building of the Madison Metropolitan Sewerage District at 1610 Moorland Rd. To get there take the Beltline (Hwy 12 & 18) to South Towne Drive. Go south 8/10 mile till South Towne Drive makes a bend and becomes Moorland Rd. and enter at gate.

You should bring a picture ID, your original licence and a copy of your licence. For exams beyond the novice tests, bring a check for \$5.60, made out to the ARRL/VEC. If the special 610 form with the medical exemption is required, contact me beforehand to obtain one. No appointments are necessary to take exams. For further questions, please leave a message on the mailbox or phone me at (608) 832-6631.

Mark N29B

MARSHFIELD, WISCONSIN

Sponsored by the Marshfield Area ARS. Second Saturday every other month, at St. Joseph Hospital, School of Nursing entrance. Room 124. St. Joseph Ave., Marshfield, WI. Walk-ins Welcome. Contact Walter Friant, WBOKIN, 2310 Wal-lonnie Dr., Marshfield, WI 54449. (715) 387-3870 (continued on page 15)

Wisconsin Nets Association Ltd.

Art Evans, KA9KLZ, Secretary • 213 North Jefferson • Cuba City, WI 53807

Wisconsin Nets

Net	WNA	Freq.	UTC	CST	Mgr.
BWN	Yes	3984	1200	0600	W9AYK
BEN	Yes	3985	1800	1200	KE9VU
WSBN	Yes	3985	2330	1730	K9UTQ
WNN	Yes	3723	0000	1800	KA9FVX
WSSN	Yes	3645	0030	1830	N9BDL
WIN/E	Yes	3662	0100	1900	WB9ICH
WIN/L	Yes	3662	0400	2200	W9NGP
NWTN	Yes	34/94	0030	1830	NS9Q
(Rhinelander area)					
RCRA	No	01/61	0030	1830	KA9OMC
(Mondays CST) (Menomonie Area)					
Gr. Bay	No	72/12	0245	2045	WB9NRK
(Green Bay Area)					
ARES	No	4.65/5.25	0200	2000	
(South East/South Central Wisconsin)					
RACES	No	3993.5	1400	0800	WA9OAY
(LSB Sunday)					

Section Manager's Notes

Richard R. Regent, K9GDF
5003 South 26th Street
Milwaukee, WI 53221

Season's Greetings.

December 10th Milwaukee RAC holds their Christmas get together and Racine Megacycle Club will have a fox hunt.

Wisconsin Nets Association on-the-air meeting is December 12th, ask for details from Chairman WB9ICH or new Secretary KA9KLZ.

Fox Cities ARC will enjoy a Social meeting on December 20th.

Exams: December 4th at Racine and Stevens Point; December 11th at River Falls, Madison and Oak Creek; December 15th West Allis; December 18 in Milwaukee.

W9CBE needs Wyoming and Idaho for satellite WAS award.

N9FEW and NS9J of West Allis RAC are working with the local Planning and Zoning Division to represent AR in proposed ordinance.

N9MDE built a transmitter from parts of an old TV set.

W9IEI constructed a simple ground plane vertical for UHF out of coat hanger wire, the most expensive part was the BNC connector.

Ozaukee RC has ten-meter FM link on their 220 repeater to allow QSOs all over U.S. with handhelds.

Sorry to report Silent Key W9OT of Monroe.

Thought of the month: "Ambiguity is invariant."

Please let me know if you would like a complete list of 88 Wisconsin nets. A list of a few Wisconsin nets is above the heading for this column. □

When you respond to a BSSS ad, please tell the advertiser you saw their advertisement here in Badger State Smoke Signals.

NextDay
Baraboo, Wisconsin
Sauk County
K9ZZ
Info S1
AntennasWest
(801) 373-8425

QSLs
Two-Color
Rainbow Assortment
Call Today & We Ship
Next Day 2nd Day ASAP
100 \$29.95 \$24.95 \$19.95
200 \$39.95 \$34.95 \$29.95
400 \$49.95 \$44.95 \$39.95
500 \$54.95 \$49.95 \$44.95
1000 \$99.95 \$89.95 \$79.95
All orders ppd 2nd day air / priority mail.
For overnight air delivery add \$10.
Box 50062-B5, Provo UT 84605

Net News and Gossip

Written and Edited by the Net Managers

Wisconsin Intrastate Net/Early (WIN/E)

Larry Guthu, WB9ICH, Net Manager
706 West Jennings
New London, WI 54961

Hi, gang.

Well, another summer has come and gone, and with it another WNA picnic. It was nice to see some of you there, but I wish there had been more. If anyone has any suggestions on how to get more people to attend, please let me know.

On to the business at hand. WIN/E has been doing OK, but I see that there is a trend over the last two or three years going downward which is not good. I, along with other net managers, can see that traffic handling seems to be dying out because of new technology. Just remember that, when the new

stuff takes a big dump, we have to rely on the old method and that's where we need help.

We need to get more people interested in trafficking, both CW and SSB. So, please, all you traffic people out there, promote the nets and try to get the new hams involved. They may be surprised and actually see how much fun it is.

On a sad note, WIN/E has lost another fine trafficker, Jim Welsh, W9OT, in Monroe. Jim was a steady and strong supporter of the net, and he will truly be missed.

I would like to give a very special thank-you to N9BDL, Lee Andreas, for all his help that he has given me on WIN/E with the change in my work schedule. I really don't know if I could ever repay him, but I'm sure he'll find something. Ha! Ha! Thanks again, Lee.

I guess that about does it for this time. I hope to see you on WIN/E.

Larry, WB9ICH

Wisconsin Intrastate Net/Late (WIN/L)

Ed Rice, W9NGP, Net Manager
W-126 Lang Road
Oconomowoc, WI 53066

The changing of the seasons brings an end to summer activities, but it also points to the end of poor conditions on the 80-meter band, where most of our nets are. On WIN/L, we look forward to increased traffic as the QRN clears.

N9CKC and N9SN are checking in more frequently now, and they often volunteer for 9RN which helps a lot; thanks, fellows.

I also want to thank W9DND and K8SB who, although they are not regular members, do check in often and bring us lots of traffic.

N9BDL, the *Super Sticker Licker*, leads the net in QNI with a total this year of 229 check-ins as of September 30.

Remember: If you have traffic left at 2200, check in with us on the WISCONSIN INTRASTATE NET/LATE. We will try to help.

73, Ed

The minutes of the September WNA meeting are on page 11 of this issue.

Kindness Caught by Net

By Richard R. Regent, K9GDF
5003 South 26th Street, Milwaukee, WI 53221

Wayne Schanke, KE9VU, of New Holstein, sincerely thanks the many traffic handlers, net control stations operators and other Amateur Radio volunteers who helped during his family emergency.

Wayne's 9-year old son, Greg, became sick with a bowel obstruction and needed immediate medical attention. He took Greg to Fond du Lac Hospital for treatment and then to Milwaukee Children's Hospital for medication. Wayne's boss was helpful in rescheduling company work to grant him a one-week emergency vacation during this ordeal.

Badger Emergency Net members immediately took over KE9VU's Net Control Station tasks on Wednesdays and Saturdays. Wayne is Net Manager for BEN which meets every day at noon on 3.985 MHz SSB. Many amateurs checked into the net just to express their kind thoughts and voice concern for

Greg's speedy recovery. Sherm, W9NGT, of Hartford, was particularly helpful in handling two-way radio reports between the hospital and Greg's family when they were at home or mobile.

Greg recovered, but is being careful to avoid rough activities for a while. Greg and his 4-year old brother, Mike, had a great time at the Wisconsin Nets Association Picnic held near Beaver Dam in September; they stopped playing just long enough for Greg to reassure both his Dad and me that he is feeling "OK".

Wayne looked back at me, with a tear in his eye, to remind me to thank everyone for their thoughtfulness and kindness. Wisconsin amateurs are magnificent. □

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Badger State Smoke Signals needs an advertising salesperson. A commission is paid, as are certain expenses. If you are interested, please contact Publisher Ken Ebner, K9EN, 822 Wauona Trail, Portage, WI 53901, (608) 742-3560.

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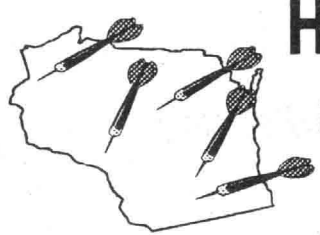
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HERE and THERE

Nobel Prize Winner Attributes Success to Amateur Radio

The winner of the 1993 Nobel Prize for Physics, Princeton University's Dr. Joseph H. Taylor, K1JT, attributes his success in science to his early involvement in Amateur Radio, according to published news accounts.

Taylor, who shared this year's award with his former student and current Princeton colleague, Dr. Russell A. Hulse, told reporters that he developed his scientific skills as a ham while a student at Moorestown Friends Academy in New Jersey.

Taylor earned a bachelor's degree from Haverford College in 1963, and a doctorate in astronomy from Harvard University.

The Nobel Committee awarded this year's physics prize to Taylor and Hulse for their study of the gigantic gravitational forces exerted by pulsars. Their results are thought by scientists to confirm many of the predictions of Einstein's general theory of relativity.

- ARRL Special Bulletin 21, 10/16/93

FCC Honors KN4ZT

The Federal Communications Commission has presented a bronze plaque of appreciation to Melvin I. Woods, KN4ZT, of Annandale, Virginia. Woods was cited by the Commission for what it called outstanding assistance in solving a false distress signal case in 1992.

The case involved an S.O.S. on 14.313 MHz in August, 1992. The FCC said Woods not only provided important information at the time, but also cooperated with the FCC in its subsequent investigation.

Woods, 58, served in the U.S. Navy from 1952 to 1976, and is a former Senior Chief Radioman and Chief Electronics Technician. He was first licensed as a Novice in 1953, and currently holds the Amateur Extra Class license.

At the October 13 award ceremony, Woods also received the U.S. Coast Guard Public Service Award from Rear Admiral William J. Ecker.

- ARRL Bulletin 104, 10/22/93

Station Location Dropped from FCC License Forms

Effective November 15, 1993, the FCC will no longer require that a station location be shown on amateur license applications, nor on applications for reciprocal operating permits.

The Commission, in an Order adopted September 24, said that because portable and mobile equipment is now so often used by amateurs, a station's location often changes, sometimes even daily.

The FCC also said that deleting the station location requirement would expedite the processing of license applications. They said that since it is a "nonsubstantive" change in licensing procedures, no

Instant License Proposed

The FCC has proposed temporary operating authority to unlicensed persons who pass the examination for a new amateur operator license.

The temporary operating authority would begin when the exam is passed and an application for a license is filed, and last until a full-term license is received from the FCC (not more than 120 days).

The temporary operating authority would not be available to anyone whose license has been revoked or suspended or who has been involved in other enforcement proceedings before the FCC. Under the proposal, the Commission also would reserve the right to cancel such temporary operating authority without a hearing if a need to do so arose.

Those operating under the proposed new

rules would use call signs determined by the initials of their name and by their mailing address. The prefix for each such call sign would be WZ followed by a number indicating the appropriate Volunteer Examiner Coordinator region.

The Commission said it believes this system "would be useful to the amateur community, yet practical to implement." The FCC also said it was making the proposal "to better serve new amateurs and to increase productivity in the processing of license applications."

The proposal, assigned PR Docket 93-267, was based on a petition for rule making made in July by the Western Carolina Amateur Radio Society (WCARS) VEC of Knoxville, Tennessee (RM-8288).

- ARRL Bulletin ARLB106, 10/25/93

notice and comment period was needed.

The amended FCC Rule "Section 97.21 Mailing Address" will be:

"Each application for an amateur service license and each application for a reciprocal permit for alien amateur licensee must show a mailing address in an area where the amateur service is regulated by the FCC. The mailing address must be one where the licensee can receive mail delivery by the United States Postal Service."

- The ARRL Letter, 10/12/93

"Space Neighbors" Columbia, Mir Ham it Up

In a story in the October 27, 1993 issue of the *Wisconsin State Journal* of Madison, it was reported that "Columbia's astronauts called their next-door neighbors Tuesday - two cosmonauts on Russia's Mir space station 84 miles away."

According to the story, "Shuttle commander John Blaha said he and his crew had 'a good discussion' via ham radio with cosmonaut Alexander Serebrov.

"Serebrov and Vasily Tsibilyev have been in orbit since July on a 195 day mission. Columbia's seven astronauts (had) been in orbit since Oct. 18 on a 14 day mission."

The shuttle's call sign was W5RRR-1 (W5RRR is the call of the Johnson Space Center Amateur Radio Club), and the Mir call sign is R0MIR. (In Russian, "Mir" means "peace."

Four Amateurs Receive Fines for Malicious Interference

Four amateurs have received FCC Notices of Apparent Liability for \$2000 for malicious interference on the 2-meter band. In June, the four gave responses to FCC Notices of Violation but the FCC was not persuaded by their arguments.

Those receiving the NALs are John B. Genovese, WB5LOC, of Slidell, LA; Will T. Blanton, Jr., N5ROC, of Carriere, MS; and Joseph F. Richard III, N5JNX, and Vernon A. Paroli, KA5OWW, both of New Orleans.

All four had until October 10 to respond to the NALs.

- The ARRL Letter, 10/12/93

FCC Call Sign Update

The following is a list of the FCC's most recently issued call signs as of October 1.

District	Group A Extra	Group B Advanced	Group C Tech/Gen	Group D Novice
0	AA0PB	KG0IU	N0YZG	KB0LMJ
1	AA1HM	KD1RL	N1QJK	KB1BEA
2	AA2PV	KF2RN	N2WRJ	KB2QPD
3	AA3FY	KE3KE	N3QKZ	KB3AZA
4	AD4LB	KR4EU	++	KE4GPS
5	AB5PX	KJ5QV	++	KC5DMN
6	AB6XG	KN6TA	++	KE6CGD
7	AA7ZE	KI7SG	++	KB7YZF
8	AA8MP	KG8EM	++	KB8PZH
9	AA9IN	KF9RR	N9VDL	KB9IVM
Hawaii	++	AH6NE	WH6PS	WH6CQY
Alaska	++	AL7PH	WL7NM	WL7CHI
Virgin Is.	WP2B	KP2CC	NP2GS	WP2AHU
PR	++	KP4VS	++	WP4MKY

++ All call signs in this group have been issued in this area.

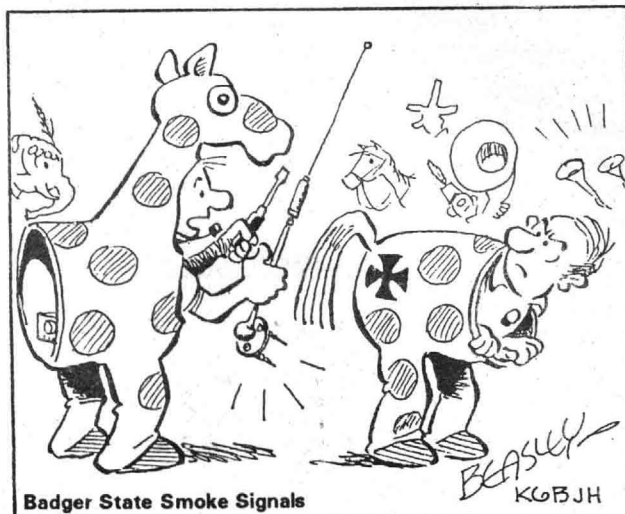
- ARRL Bulletin ARLB107, 10/27/93

Racine Swapfest Photo Log



Dan Miller, KA9OIL, Official MC for the Racine Hamfest on August 14, prepares for the door prize drawing. Another photo is on page 11.

- Photo courtesy Dave Voss/WB9USI



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9311

The Computer Corner

By Stan Kaplan, WB9RQR
11541 North Laguna Drive
Mequon, WI 53092-3119

Remember that big table in the last (fourth) article in this series? Let's look at the data in one line of that table a little closer:

DISK SIZE (inches)	5 1/4	5 1/4	3 1/2	3 1/2	3 1/2
DISK CAPACITY (K)	360	1200	720	1440	2880
Maximum root entries	112	224	112	224	240

Notice that the most common current formats, 5 1/4 and 3 1/2 inch DSDD disks (360k and 720k), show a maximum of 112 root entries. What exactly does that mean? Well, here is an experiment I did to illustrate that. If you are so inclined, you can do the same experiment.

I took a freshly formatted 360k disk and created a file on it, using the DOS command COPY CON 1. That command says in effect, "whatever

the human types on the keyboard, put into a file named 1". I entered just one keystroke, the capital letter A, then pressed Ctrl-Z. This keystroke combination tells DOS the human is all done, and to close the file. When I then gave the command DIR, it showed a single entry, a file named 1 which contained just 1 byte.

I did all this again, this time creating a file named 2. Again, it occupied only a single byte of disk space. I repeated the process 7 more times until I had 9 files, named 1, 2, 3, 4, 5, 6, 7, 8 and 9. Since my goal was to create over 100 such files, I employed a little trick from then on to save time. Instead of creating each file individually, I issued the command COPY 1 10, COPY 1 11, COPY 1 12, and so on, until I had 19 files. Then I typed the command COPY 1? 2?, the COPY 2? 3?, and so on, until I had 99 files on the disk. I continued with these file manipulations until there were exactly 112 files present on the disk, named 1 through 112. The DIR command showed that there were 112 bytes in 112 files. If I looked at any one of the files with a word processor or just by typing the contents to the screen, each file contained just the letter A in it.

Then, the final experiment. I typed COPY 1 113 and pressed the ENTER key. After a pause, DOS sent me an error message:

Cannot make directory entry - 113 files copied

That's it! In the root directory of any DSDD floppy, you can have ONLY 112 files, no matter how much space is left on the disk. So the simple message is, if you are cramming a bunch of files on a floppy, even if there is plenty of unused space on it, be careful when you get in the vicinity of 100 files, because 112 is the absolute limit!

There is a "work-around." While the root directory is limited to 112 entries, subdirectories have no such limit. You can stuff hundreds of files in a subdirectory on a floppy, so long as their combined space does not exceed the space available on the disk. The message here: If you want to put more than 112 files on a floppy, create a subdirectory and put them in there. Type MD MYFILES to create a subdirectory named MYFILES, then type CD MYFILES to put yourself in that directory. You can then copy files to your heart's content! Happy computing!

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Resolutions' Support Grows in Congress

Continued from front page

operators licensed in the United States alone, I'm sure that every Member of the House has had similarly favorable experiences with the amateur community and will support this resolution."

Following are the joint resolution co-sponsors (as of September 24), by state (BSSS is listing only Wisconsin and surrounding states - BSSS editor.):

ILLINOIS

Rep. Jerry Costello (D-12)
Rep. Dennis Hastert (R-14)
Rep. Thomas Ewing (R-15)
Rep. Lane Evans (D-17)
Rep. Glenn Poshard (D-19)

INDIANA

Rep. Frank McCloskey (D-8)

IOWA

Rep. Jim Leach (R-1)
Rep. Fred Grandy (R-5)

MICHIGAN

Rep. James Barcia (D-5)
Rep. David Bonior (D-10)
Rep. Joseph Knollenberg (R-11)
Rep. Sander Levin (D-12)

MINNESOTA

Rep. Jim Ramstad (R-3)
Rep. Martin Sabo (D-5)
Rep. Collin Peterson (D-7)
Rep. James Oberstar (D-8)

WISCONSIN

Rep. Steve Gunderson (R-3)
Rep. Tom Petri (R-6)
Rep. Toby Roth (R-8)

- The ARRL Letter, 10/12/93

The mailing address for all Senators is Senate Office Building, Washington, D.C. 20510; send mail for Representatives to House Office Building, Washington, D.C. 20515.

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From the Old Goat

Jim Romelfanger,
K9ZZ, Editor



We dragged the Olde Goat out of the barn for the first time in a while this month. We've been hearing him bleating a lot, so we figured he must have something to say. We were right, no butts about that. He even came out of that barn without protest.

✓ Since November brings Thanksgiving, we are reminded that thanks are due all the volunteer writers, photographers, cartoonists, and the many others who help to get this newspaper to the printer and then to the post office each month. You all know who you are. If I try to name you all, I'll omit someone and I don't want to hurt anyone's feelings. You ARE Badger State Smoke Signals. Without you and your willingness to send material to print, there wouldn't be a BSSS. THANK YOU!

Remember that we can ALWAYS use good stories, articles, and good photos. Other amateurs just might be interested in your special activity or project.

✓ When you send something to BSSS, please try to send it to the correct staffer. If you aren't sure where to send something, read the masthead on page 2. All the information is right there. If you misdirect material to the wrong staffer, there is some risk of it being misplaced or just plain lost. Please also keep in mind that we are volunteers, too. There is no 10-story BSSS headquarters building; the pasteup I do gets done in my kitchen right next to my guinea pig. K9EN's mailing list work and his pasteup work is done in his ham shack. Ken is also a broadcast engineer, and can get a phone call which may send him away for two or more days on the spur of the moment. Treasurer WB9UQT's work is done "on the fly" as he goes from chore to chore and errand to errand. He also has a day job.

✓ Congratulations to Carl Plouffe, the 9-year-old son of Rick (N9ROY) and Juanita Plouffe. Carl will be a "Ranger Scout" in the forthcoming motion

Continued on page 7

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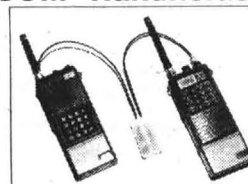
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Courtesy of the Wisconsin Association of Repeaters



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4. W.A.R. has suggested band plans for most of the FM spectrum, a subaudible tone plan for the State of Wisconsin and all necessary information for coordination of new or modifications to existing repeaters. Contact the Frequency Coordinator.

Scot Thompson, WB9WOT
Wisconsin Association of Repeaters
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O	Carrier Access	B	Burst
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W	Whistle	C	Closed Private Repeater
A	Autopatch	(CA)	Closed Private Autopatch
E	Emergency Power	L	Link and/or Crossband
P	Portable	R	RACES Affiliated
Y	RTTY/ASCII	Z	Autopatch to Law Enforcement
PAC	Packet Data Exchange	X	Wide Area Coverage

Wisconsin Sub-Audible Tone Plan By Region

North Central	- 2A, 114.8 Hz	North East	- 1B, 107.2 Hz
North West	- 2Z, 110.9 Hz	South Central	- 3Z, 123.0 Hz
South East	- 3A, 127.3 Hz	South West	- 3B, 131.8 Hz

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ALGOMA	NE	146.805	WB9RJB/R	O PL 107.2 L			WB9RJB	03/14/92
ALLENSTON	SE	442.350	N9GNT/R	O A E L X PL 114.8			LNFM 38	08/24/90
ANTIGO	NC	145.310	KD9HH/R	O			* KD9HH	04/04/93
APPLETON	NE	145.150	KB9BYP/R	O CA E Z PL-1B			* O CO ARES	04/04/93
APPLETON	NE	145.330	WD9FLJ/R	O PL 107.2			* F V VHF A	06/11/93
APPLETON	NE	146.655	KB9ENO/R	O A PL-1B			* ECR LTD	09/10/93
APPLETON	NE	146.760	K9QGO/R	O			* F V VHF A	06/11/93
APPLETON	NE	147.195	KB9BYQ/R	O PL 107.2/114.8			BARB	12/14/92
APPLETON	NE	443.650	W9IEI/R	O			* W6IEI	06/11/93
APPLETON	NE	1282.200	N9LVS/R	O E L			* N9LVS	04/04/93
ARLINGTON	NC	147.315	N9QIP/R	O			* N9QIP	10/04/92
ARLINGTON	NC	444.550	N9QIP/R	O			* N9QIP	10/04/92
BALDWIN	NW	146.685	WB9OND/R	O L E			SARCASH	04/17/92
BALDWIN	NW	147.330	WD9GWH/R	O 100 HZ XMIT PL			* SCVRA	04/04/93
BARABOO	SC	145.310	N9KXX/R	O 3Z			* N9KXX	08/08/93
BARABOO	SC	146.880	K9YXW/R	O E X PL 123.0			C W R A	04/29/92
BARABOO	SC	443.900	N9FBF/R	O A L PL 114.8			LFM 38	09/21/91
BARABOO	SC	444.250	N9KXX/R	O PL-3Z			* BSRG	09/10/93
BAYFIELD	NW	146.610	W9BCY/R	O			NLAND ARC	03/12/92
BELDENVILLE	NW	147.225	WB9WOT/R	O A E			* B.A.T.S.	06/21/93
BELDENVILLE	NW	224.840	WB9WOT/R	O A E			* B.A.T.S.	06/21/93
BELDENVILLE	NW	443.225	WB9WOT/R	O A E			* B.A.T.S.	06/21/93
BELOIT	SC	146.670	WA9JTX/R	O E R			* BELOIT AR	06/21/93
BELOIT	SC	224.300	WB9UBM/R	O TT			C.B.S. RG	03/14/92
BERLIN	SC	443.850	N9AOZ/R	O A PL 123.0			* N9AOZ	04/04/93
BURLINGTON	SE	146.745	WB9CAS/R	OZA 123.0 L145.290			* WB9CAS	06/11/93
BURLINGTON	SE	224.060	N9BBQ/R	O PL A E			SE WI ERS	12/15/92
CALEDONIA	SE	442.500	WA9KVE/R	O 3A			* WA9KVE	06/21/93
CAMERON	NW	443.650	N9KOR/R	O E CA			* N9KOR	04/04/93
CHIPWA FALLS	NW	146.880	WA9PAM/R	O			WA9PAM	03/12/92
CHIPWA FALLS	NW	444.350	WA9PAM/R	O			* WA9PAM	04/16/93
CLARKS MILLS	NE	145.370	KA9YGO/R	O			* KA9YGO	04/04/93
CRIVITZ	NC	145.470	KA9YQJ/R	O PL 114.8 CA			* KA9YQJ	04/04/93
DELAFIELD	SE	146.820	KE9QP/R	O CA E X PL 3A Z			* SEWFARS	06/21/93
DELAFIELD	SE	444.125	KE9QP/R	O E PL 114.8			* SEWFARS	04/04/93
DORCHESTER	NC	145.270	WA9ZCO/R	O A E			* WA9ZCO	04/04/93
EAGLE RIVER	NC	145.390	KD9PT/R	O			* KD9PT	04/04/93
EAU CLAIRE	NW	146.910	K9UXP/R	O A E X			* E C ARC	04/04/93
EAU CLAIRE	NW	147.195	KA9LJK/R	O			KA9LJK	07/16/90
EAU CLAIRE	NW	147.240	KA9ELD/R	O CA E			* E C ARC	04/04/93
EAU CLAIRE	NW	443.300	KB9R/R	O E			* KB9R/R	04/04/93
EAU CLAIRE	NW	444.675	KA9LJK/R	O			KA9LJK	07/16/90
ELKHORN	SE	146.865	WA9AJW/R	O A			* W CO ARES	04/04/93
ETTRICK	SW	146.700	WA9HCZ/R	Y 2125 HZ MARK			* WA9HCZ	04/04/93
FOND DU LAC	NE	147.090	WD9ESH/R	O			* FDL RPT	01/10/93
FOND DU LAC	NE	223.740	WA4COY/R	O B CA			* WA4COY	05/22/93
FOND DU LAC	NE	444.150	WA4COY/R	O B A PL 107.2			* WA4COY	05/22/93
FOND DU LAC	NE	444.225	KA9SEP/R	O			* KA9SEP	04/04/93
FORT ATKINSON	SC	53.090	AA9AD/R	O PL 123.0			* S.W.R.G.	04/19/93
FORT ATKINSON	SC	145.490	W9MQB/R	O			* TCARC	04/16/93
FORT ATKINSON	SC	224.420	N9DIT/R	O			* N9DIT	04/16/93
FRANKLIN	SE	444.625	K9WQG/R	O			* K9WQG	06/06/93
FRANKSVILLE	SE	223.800	KC9NG/R	O			* KC9NG	06/06/93
FREEDOM	NE	224.220	AA9A/R	O PL			AA9A	11/15/90

Location	Rg	Output	Call	Access	Update	OK=*	Sponsor	Updated
FREMONT	NC	147.015	N9AOT/R	O A L 29.600 TT			W.A.C.O.	03/22/92
GERMANTOWN	SE	147.045	WB9EFP/R	O CA			* WB9EFP	04/16/93
GERMANTOWN	SE	224.180	W9CQO/R	O			* O.R.C.	04/04/93
GERMANTOWN	SE	443.225	WD9DH/R	O PL 114.8			W E R A	03/12/92
GILLET	NE	224.480	N9MPB/R	O PL 114.8			* N9MPB	04/04/93
GLIDDEN	NW	444.650	N9EDV/R	O INPUT 144.65			* N9EDV	04/04/93
GREEN BAY	NE	147.120	K9GB/R	O A E Z X			G B M&K	03/12/92
GREEN BAY	NE	147.270	KB9ALN/R	OXPL 107.2 31U/30D			NE WRL	12/14/92
GREEN BAY	NE	147.360	K9EAM/R	O A E Z			GB M&K	03/12/92
GREEN BAY	NE	223.940	K290/R	O A E			WA9SWX	03/12/92
GREEN BAY	NE	224.140	K290/R	O A E PL 107.2			RA RMT	03/12/92
GREEN BAY	NE	443.500	WA9SWX/R	O A E Z			GB M&K	03/12/92
GREEN BAY	NE	443.750	N9IIE/R	O			* RRU	04/04/93
GREEN BAY	NE	444.200	WB9JV/R	O			WB9JV	06/08/90
GREEN BAY	NE	444.750	KB9AMH/R	O			KB9AMH	03/14/92
GREEN LAKE	SC	146.955	KB9WC/R	O E			* G FOX ARC	05/22/93
GREEN LAKE	SC	444.400	KB9WC/R	O			* G FOX ARC	05/22/93
GREENFIELD	SE	52.880	WB9WKR/R	O			GF'LD 6RS	03/12/92
HARTFORD	SE	52.990	K9MLD/R	O			* K9MLD	06/06/93
HAYWARD	NW	147.255	N9EGE/R	O CA			NVWA	05/02/91
HAYWARD	NW	444.850	N9EGE/R	O			* N9EGE	04/16/93
HERTEL	NW	147.300	WB9RBD/R	O CA E Z			* B.A.R.S.	04/04/93
HERTEL	NW	224.500	WB9RBD/R	O A E Z			* B.A.R.S.	04/04/93
HERTEL	NW	443.500	WB9RBD/R	O A E Z			* B.A.R.S.	04/04/93
HILBERT	NE	53.170	KN9P/R	O			* KN9P	04/19/93
HILLSBORO	SW	145.370	WB9SBD/R	O			WB9SBD	12/14/92
HIXTON	SW	146.940	K9YER/R	O			* I/J RA	04/04/93
HOLCOMBE	NW	52.810	N9LIE/R	O			* N9LIE	06/06/93
HOLCOMBE	NW	145.470	N9LIE/R	O			* N9LIE	04/16/93
HOLCOMBE	NW	147.345	N9QWH/R	O			* N9QWH	04/04/93
HOLCOMBE	NW	441.925	N9QWH/A	O			* N9QWH	04/04/93
HOLCOMBE	NW	444.625	N9QWH/R	O			* N9QWH	04/04/93
HOLLANDALE	SC	146.655	KB9AKM/R	O			* ICATS	04/04/93
HUBERTUS	SE	145.250	KA9HLP/R	O			A.R.E.S.	09/08/92
HUDSON	NW	145.130	WA9VX/R	O CA R E T			* SCC RACES	04/04/93
HUDSON	NW	146.955	K9LAV/R	O PL 114.8 L			* K9LAV	04/16/93
IRMA	NC	146.730	K9GTQ/R	O			K9GTQ	03/25/90
JANESVILLE	SC	145.450	WD9ACY/R	O			* RAT SYS	04/04/93
JANESVILLE	SC	147.075	KB9YC/R	O PL 123.0			KB9YC	11/17/92
JANESVILLE	SC	442.825	KB9YC/R	O PL 123.0			KB9YC	11/17/92
JUNEAU	SC	146.640	W9TCH/R	O A E 2911 WX			ROCK R RC	07/12/92
KAUKAUNA	NE	444.450	ND9Z/R	O CA			* ND9Z	04/04/93
KENOSHA	SE	224.800	WB9LST/R	O A E PL 114.8			* K.A.R.S.	04/04/93
LA CROSSE	SW	29.640	KE9XQ/R	O			KE9XQ	04/20/91
LA CROSSE	SW	146.760	K9CUT/R	O			L C R ASC	06/12/92
LA CROSSE	SW	146.865	KE9XQ/R	O			KE9XQ	04/20/91
LA CROSSE	SW	146.970	K9JYB/R	O A E X			* RVRLNDARC	04/04/93
LA CROSSE	SW	147.090	N9ETD/R	O			* MVARA	05/22/93
LA CROSSE	SW	444.600	WA9HCZ/R	O			* ONA ARC	04/04/93
LA VALLE	SC	442.400	W9EBF/R	O PL 3Z			* W9EBF	04/04/93
LC D'FLAMBEAU	NC	146.670	N9AFN/R	O PL			N9AFN	03/12/92
LODI	SC	147.225	K9EYY/R	O CA E PL 114.8			* K9EYY	04/04/93
MADISON	SC	53.070	N9KAN/R	O PL 123.0 (P)			* S.W.R.G.	04/19/93

From the Olde Goat

Continued from page 6

picture "I Love Trouble," starring Nick Nolte and Julia Roberts. The film was shot in many locations in southern Wisconsin, including Baraboo, Devils Lake, and Madison. See page 9 of this issue for a photo of the Ranger Scout. The latest word is that the film may be released next July.

Sharp-eyed movie-goers may also see the BSSS editor in the film, showing his "grandchildren" the state capitol rotunda in Madison. Now, he knows he is getting older, but now there is proof. It's called

"typecasting."

✓ Business card ads on our back page are due for renewal now. The last run for those ads is in December. Renewal reminders were sent to those advertisers in September, but response has been underwhelming. If your club's swapfest or your business has an ad on that page, please dig through your stacks of mail, find the renewal form, and send it along to us. Those ads help advertisers sell their products and services, and they help keep this paper coming to you every month.

If we have openings on that page, we will know fairly soon. If you would like a space there, let us know. If an opening is available, it's yours. You even get TWO colors!

✓ Our Section Manager, Rich Regent, K9GDF, has composed a list of specialty nets in Wisconsin. (I'm guessing he thought I just didn't have time to compile it myself, as I had promised. He is correct.) That list will be printed in December. We also hope to have a story about K2BSA and the National Boy Scout Jamboree, written by Gene Santoski, K9UTQ, in time for our December issue.

✓ This is the time of the year when food pantries and other agencies and organizations serving people who, usually due to circumstances beyond their control, are especially hard-pressed to meet the needs of those people. Please consider helping those pantries, agencies and organizations to make the holidays a bit better for those in need.

✓ Happy Thanksgiving!

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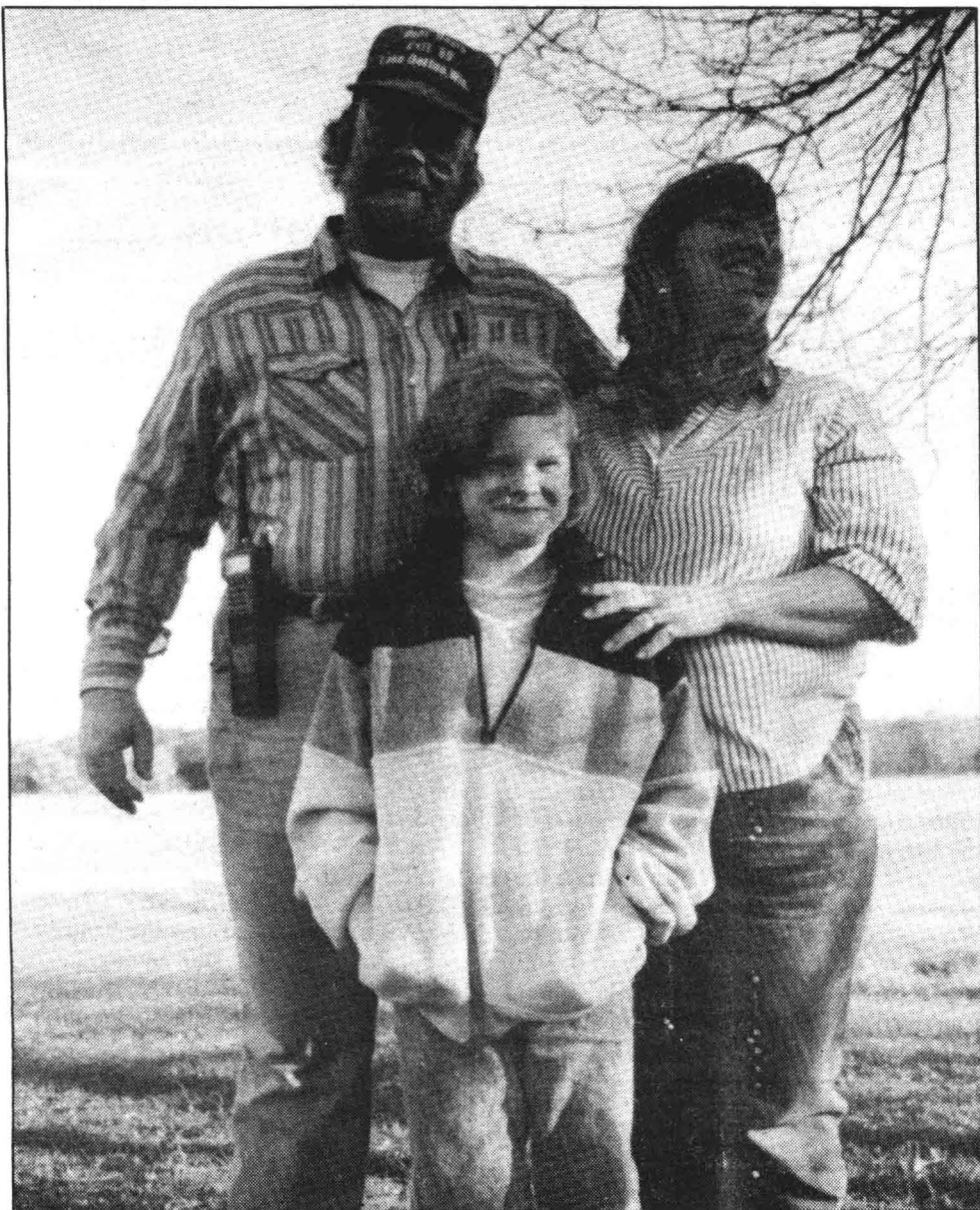
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Location	Rg	Output	Call	Access	Update	OK=*	Sponsor	Updated
MADISON	SC	146.685	W9YT/R	O PL 107.2			UWB ARS	12/14/92
MADISON	SC	146.760	WB9AER/R	O CA E Z PL 123.0			* M A R A	04/04/93
MADISON	SC	146.940	W9FZC/R	O PL 123.0			C W R A	04/29/92
MADISON	SC	147.150	WB9AER/R	O CA E Z PL 123.0			* M A R A	04/04/93
MADISON	SC	224.160	WB9RSQ/R	O PL			* WB9RSQ	06/06/93
MADISON	SC	443.000	NZ9B/R	O			BURG	03/31/92
MADISON	SC	443.400	N9KAN/R	O PL 123.0 CA X L			* S.W.R.G.	02/09/93
MADISON	SC	444.000	KA9VDU/R	O PL 123.0 L			BURG	03/12/92
MADISON	SC	444.450	N9PHQ/R	O			* N9PHQ	04/19/93
MADISON	SC	444.500	WB9TAE/R	O PL-3Z CA E L			* WB9TAE	04/04/93
MADISON	SC	444.775	NG9V/R	O PL 114.8			NG9V	04/29/92
MADISON	SC	444.925	WB9TAE/R	O PL (MOBILE)			* WB9TAE	04/04/93
MANITOWOC	NE	145.190	WB9MFB/R	C			* WB9MFB	04/04/93
MANITOWOC	NE	146.610	W9DK/R	O TT			* MANCORAD	04/04/93
MANITOWOC	NE	146.700	K9FWR/R	RTTY			K9FWR	12/10/89
MANITOWOC	NE	147.030	N9GHE/R	O A Z911* PL 107.2			* N9GHE	04/04/93
MANITOWOC	NE	224.540	N9GHE/R	O			* N9GHE	04/04/93
MANITOWOC	NE	443.975	N9GHE/R	O A			* N9GHE	04/04/93
MARSHFIELD	NC	145.490	W9FYP/R	O			* W9FYP	09/10/93
MARSHFIELD	NC	147.180	AA9BN/R	OAE Z911 L 444.975			* MAARS	06/06/93
MARSHFIELD	NC	444.975	AA9BN/R	O E L 147.18			* MAARS	06/06/93
MAUSTON	NC	146.850	N9FVP/R	O			* ARCOFCW	06/06/93
MEDFORD	NC	147.150	W9QHI/R	O E P WX A P Z O			* TAYLOR	05/22/93
MENO FALLS	SE	444.425	KA9FIN/R	O			* SHRINE	04/16/93
MENOMONIE	NW	146.610	WB9YMB/R	O			* R CDR RA	06/21/93
MENOMONIE	NW	146.805	N9HNI/R	O			* N9HNI	04/04/93
MENOMONIE	NW	443.575	N9KIP/R	O			* N9KIP	08/08/93
MERRILL	NC	53.190	N9QGG/R	O			* MERRIL RA	04/19/93
MERRILL	NC	145.450	KB9DZG/R	O			* KB9DZG	12/03/91
MERRILL	NC	146.970	N9QGG/R	O			* MERRIL RA	04/04/93
MILTON	SC	146.715	WD9FKW/R	O CA			* WD9FKW	05/22/93
MILWAUKEE	SE	29.620	WB9ZRB/R	O			IND RP SY	03/14/90
MILWAUKEE	SE	29.680	N9BBG/R	O PL 127.3			N9BBG	03/21/91
MILWAUKEE	SE	53.030	WB9TRO/R	O			W.E.R.A.	03/12/92
MILWAUKEE	SE	52.680	WB9ZRB/R	O			IND RP SY	03/14/90
MILWAUKEE	SE	145.130	N9EGR/R	O A E LZ PL 141.3			* MAARS	06/06/93
MILWAUKEE	SE	145.170	W9FK/R	O			* WARAC	06/06/93
MILWAUKEE	SE	145.230	N9BMH/R	O PL 141.3			N9BMH	05/13/91
MILWAUKEE	SE	145.390	WB9AFB/R	O PL 127.3			* MATC RC	04/04/93
MILWAUKEE	SE	146.625	WB9ZRB/R	O			WB9ZRB	03/14/90
MILWAUKEE	SE	146.670	W9WK/R	O			ARES	07/05/92
MILWAUKEE	SE	146.790	W9HHX/R	O A CA PL 127.3			* MSOE ARC	02/08/93
MILWAUKEE	SE	146.850	W9KHO/R	O PL 127.3			MICORS	05/17/91
MILWAUKEE	SE	146.910	WA9JOB/R	O E Z X PL 127.3			M.R.C.	07/05/92
MILWAUKEE	SE	147.000	W9PY/R	O PL 146.2			* P.R.C.	05/22/93
MILWAUKEE	SE	147.105	K9IFF/R	C CA TT			* K9IFF	04/04/93
MILWAUKEE	SE	147.135	NY9T/R	O PL 141.3			NY9T	06/28/92
MILWAUKEE	SE	147.165	WB9SDD/R	O PL 127.3 E			* WB9SDD	04/16/93
MILWAUKEE	SE	147.210	W9ODD/R	O PL 127.3			* M.U. RAMS	04/04/93
MILWAUKEE	SE	223.860	WB9UOS/R	O			WB9UOS	11/27/90
MILWAUKEE	SE	224.680	WB9AFR/R	O PL 127.3			WB9AFR	04/29/92
MILWAUKEE	SE	224.900	NK9G/R	O			NK9G	11/15/90
MILWAUKEE	SE	224.960	WB9EUF/R	O PL 127.3			* WB9EUF	06/06/93
MILWAUKEE	SE	443.150	W9KHO/R	O PL 114.8			MICORS	05/17/91
MILWAUKEE	SE	443.300	WB9TYT/R	O PL 114.8			WB9TYT	05/17/91
MILWAUKEE	SE	443.550	K9HXA/A	C			K9HXA	04/04/92
MILWAUKEE	SE	443.700	WA9HUX/R	O PL			* WA9HUX	04/04/93
MILWAUKEE	SE	443.800	N9GMT/R	O A E Z L PL 114.8			FM 38	03/09/91
MILWAUKEE	SE	444.200	K9HXA/A	C			K9HXA	04/04/92
MILWAUKEE	SE	444.300	W9WK/R	O Z PL 114.8			ARES	12/05/90
MILWAUKEE	SE	444.325	N9CFG/R	O PL 114.8			B.I.O.S.	03/12/92
MILWAUKEE	SE	444.800	K9HXA/A	C DPL			K9HXA	04/04/92
MILWAUKEE	SE	444.850	WB9TRO/R	C PL A E L			W.E.R.A.	03/12/92
MILWAUKEE	SE	444.875	WB9TRO/R	C			W.E.R.A.	03/12/92
MONROE	SC	145.110	NR9W/R	O			G C ARA	06/04/92
MT STERLING	SW	147.360	W9DMH/R	O			* W9DMH	04/04/93
NEW BERLIN	SE	147.285	W9EBF/R	O PL 3A			* W9EBF	04/04/93
NEW BERLIN	SE	442.400	W9EBF/R	O PL 3A			* W9EBF	04/04/93
NEW BERLIN	SE	442.700	N9GSI/R	O A 114.8			N9GSI	02/26/92
NEW HOLSTEIN	NE	147.300	K9LGR/R	O A E Z			* C.A.R.E.S	04/16/93
NEW LONDON	NE	146.625	WB9ICH/R	O			* WB9ICH	04/04/93
NORTH FREEDOM	SC	443.675	KD9UJ/R	O PL 114.8 TT 71L			* S.W.R.G.	02/09/93
OCONOMOWOC	SE	442.025	N9JUJ/R	O 2A			* N9JUJ	06/21/93
OSHKOSH	NE	147.240	KA9JAC/R	O TT A E Z			* WIN CTY E	06/06/93
OSHKOSH	NE	147.345	WB9ZHN/R	O PL 107.2			SOLAR	04/12/92
PARK FALLS	NC	147.000	WB9WHP/R	O			PRICE RA	08/25/91
PARK FALLS	NC	444.750	AG9G/R	O			* AG9G	04/19/93
PEPIN	NW	145.350	KB9S/R	O			WAB ARS	11/22/90
PEWAUKEE	SE	147.210	WB9AKC/R	O PL 127.3			* WCTC ARC	06/06/93
PEWAUKEE	SE	443.125	WB9AKC/R	O PL 127.3			* WCTC ARC	06/06/93
PLATTEVILLE	SW	145.270	WK9M/R	O A E			UWPARC	01/02/91
PLYMOUTH	NE	147.060	NF9R/R	O			* SCARC	04/04/93
PLYMOUTH	NE	224.940	NF9R/R	O			* SCARC	04/04/93
PLYMOUTH	NE	444.100	KD9TZ/R	O PL 107.2			* S CTY 440	04/04/93
PLYMOUTH	NE	444.350	WE9R/R	O E L X PL 114.8			WERA	09/26/92
POWERS LAKE	SE	443.925	KC9XN/R	O PL 114.8 L			* L&K ARS	04/19/93
POYNETTE	SC	224.660	KE9KX/R	O			* KE9KX	06/21/93
PT WASHINGTON	SE	146.970	W9CQO/R	O A PL 3A E X Z			* O.R.C	04/04/93
PT WASHINGTON	SE	147.330	WB9RQR/R	O A PL 127.3			* OZARES	04/04/93
PT WASHINGTON	SE	443.525	WB9RQR/R	O			* OZARES	04/04/93
RACINE	SE	53.210	N9GKH/R	O P			N9GKH	07/27/92
RACINE	SE	147.270	W9UDU/R	O A E Z I P R			* L/S RP A	04/16/93

Location	Rg	Output	Call	Access	Update	OK=*	Sponsor	Updated
RACINE	SE	442.000	KB9HSJ/R	O CA PL 127.3			* KB9HSJ	06/06/93
RACINE	SE	442.200	N9OEZ/R	O 103.5 + MDC			* C.A.R.S.	
RACINE	SE	443.950	KA9JMK/R	O PL 127.3			* KA9JMK	04/04/93
RACINE	SE	444.050	KA9LOK/R	O			* KA9LOK	04/16/93
RACINE	SE	444.950	WA9BDX/R	O			WA9BDX	10/04/92
RHINELANDER	NC	146.940	W9ZZZ/R	O A E			RHIN RP A	03/14/92
RICE LAKE	NW	145.110	WA9CXN/R	O			WA9CXN	09/13/90
RICE LAKE	NW	147.030	WB9WFG/R	O			* BAR ARES	04/19/93
RICHLAND CTR	SW	146.910	WB9SLI/R	O PL			P V RP A	12/14/92
RIVER FALLS	NW	443.800	K9ZMA/R	O			* K9ZMA	04/04/93
ROSHOLT	NC	147.255	KF9HP/R	O			* KF9HP	06/20/93
RUBICON	SC	145.350	WB9KPG/R	O A E Z			WB9KPG	03/29/91
SALEM	SE	223.720	N9BBQ/R	O			N9BBQ	12/31/92
SAYNER	NC	145.130	N9QGG/R	O CA			* MERRIL RA	09/10/93
SHAWANO	NC	145.350	KA9NWY/R	O PL 114.8			* KA9NWY	06/21/93
SHEBOYGAN	NE	145.110	KR9S/R	O			SHEB DX	08/25/91
SHEBOYGAN	NE	147.255	N9REH/R	O			* N9REH	04/19/93
SHELDON	NW	144.870	N9ILE/R	O			* N9ILE	06/06/93
SISTER BAY	NE	147.180	W9QBJ/R	O E			* DC ARC	04/04/93
SLINGER	SE	146.730	W9MQD/R	O PL 3A			* WA CO RG	04/04/93
SOLOM SPRINGS	NW	145.490	K9ASC/R	O O A E			* DC RACES	05/22/93
SPARTA	SW	147.000	KA9YPF/R	O			KA9YPF	03/31/92
SPARTA	SW	224.000	KA9YPF/R	O			KA9YPF	03/31/92
SPOONER	NW	147.135	KE6WF/R	O E Z L 223.2MHZ.			* TNT	04/04/93
SPOONER	NW	444.800	KE6WF/R	O			*	06/06/93
ST GERMAIN	NC	147.315	KA9UCE/R	O E PL 114.8			* E.S.R.G.	04/04/93
ST GERMAIN	NC	444.400	KA9UCE/R	O			* KA9UCE	04/19/93
STEVENS POINT	NC	146.670	WB9QFW/R	O A E Z			* CNT WI RA	04/04/93
STEVENS POINT	NC	146.985	W9NN/R	O E			* CNT WI RA	09/10/93
STEVENS POINT	NC	443.950	KC9NW/R	O			* KC9NW	04/04/93
STOUGHTON	SC	434.000	N9BXA/R	O ATV			N9BXA	11/28/90
STURGEON BAY	NE	146.730	WB9YUY/R	O OR PL 107.2 E			WB9YUY	03/09/91
STURGEON BAY	NE	147.210	W9AIQ/R	O CA E Z			DOOR E G	04/17/92
STURGEON BAY	NE	444.000	WB9YUY/R	O			WB9YUY	03/09/91
STURGEON BAY	NE	920.000	WB9YUY/R	O			WB9YUY	03/09/91
STURGEON BAY	NE	1282.100	WB9YUY/R	O			WB9YUY	03/09/91
STURTEVANT	SE	29.640	WA9ZYU/R	O			WA9ZYU	05/27/90
STURTEVANT	SE	224.740	WA9ZYU/R	O			WA9ZYU	03/12/92
SUN PRAIRIE	SC	443.600	KA9QOT/R	O E PL 114.8			KA9QOT	12/14/92
SUPERIOR	NW	146.760	W9BWK/R	O			T P A RA	06/04/92
SUPERIOR	NW	146.820	WA9VDW/R	O			T P A RA	06/04/92
SUPERIOR	NW	444.900	WA9KLM/R	O A E			* WITC ARC	04/16/93
TOMAH	SW	145.390	N9BOE/R	O E Z911			* MCARC	04/04/93
TOMAH	SW	444.850	KB9EBX/R	O PL 167.9			* KB9EBX	04/04/93
TOMAHAWK	NC	53.110	N9CLE/R	O P			* TOM. R A	04/19/93
TOMAHAWK	NC	145.430	N9CLE/R	O A E Z911			* TOM RP A	04/04/93
TOMAHAWK	NC	223.760	N9CLE/R	O			* TOM RP A	04/04/93
TOMAHAWK	NC	444.575	N9CLE/R	O			* N9CLE	04/04/93
TREVOR	SE	145.290	KA9VZD/R	O PL A E L Z X			* STLIN ARC	04/04/93
TREVOR	SE	442.600	KA9VZD/R	PL E A Z			* KA9VZD	04/04/93
WABENO	NE	145.110	KF9DB/R	O X PL-1B 32U/32#D			* NRL	04/04/93
WALES	SE	224.120	WB9DRO/R	O PL 114.8			* WB9DRO	04/04/93
WAUKESHA	SE	147.390	N9KS/R	O			E.A.R.S.	04/04/92
WAUKESHA	SE	224.460	KE9TA/R	O PL 85.4 CA			KE9TA	07/09/90
WAUPACA	NC	145.410	KE9UT/R	O A E			MIDWI ARG	12/14/92
WAUPACA	NC	146.835	N9BKJ/R	O A E L R X WXARES			* N9BKJ	04/04/93
WAUPACA	NC	146.925	KE9UT/R	O A E Z WX			MIDWI ARG	12/14/92
WAUPACA	NC	147.390	WA9FDC/R	O X ARES/RACES			* WP'ACA RC	04/04/93
WAUPACA	NC	442.000	KE9UT/R	O			MIDWI ARG	09/26/92
WAUPACA	NC	444.825	N9BKJ/R	O L			* N9BKJ	04/04/93
WAUSAU	NC	53.450	W9BCC/R	O			R.M.R.A.	10/04/92
WAUSAU	NC	146.640	W9SM/R	O E CA L Z X			W.V.R.A.	04/18/91
WAUSAU	NC	146.820	W9BCC/R	O E Z L			* R.M.R.A.	04/04/93
WAUSAU	NC	147.060	W9KRY/R	O CA E			KC9NW	09/26/92
WAUSAU	NC	224.640	W9SM/R	O E CA L Z X			WI VAL RC	04/18/91
WAUSAU	NC	421.250	AD9W/R	O E L AURAL + 4.5			RMATS	06/28/92
WAUSAU	NC	923.250	AD9W/R	O E L AURAL + 4.5			RMATS	06/28/92
WAUSAU	NC	1250.000	AD9W/R	O E L AURAL + 4.5			RMATS	06/28/92
WAUSAU	NC	421.250	AD9W/R	OEL VIDFM AUD+4.5			RMATS	06/28/92
WAUSAU	NC	421.250	AD9W/R	OEL VIDFM AUD+4.5			RMATS	06/28/92
WAUSAU	NC	443.750	KC9NW/R	O CA E			KC9NW	09/28/92
WAUSAU	NC	444.100	W9SM/R	O CA Z911			WVRA	11/03/90
WAUSAU	NC	444.300	W9BCC/R	O E Z L			* R.M.R.A.	04/04/93
WAUSAU	NC	444.700	KC9NW/R	O E CA PL 179.9			KC9NW	09/26/92
WAUSAU	NC	906.000	W9BCC/R	O			R.M.R.A.	10/04/92
WEBB LAKE	NW	145.190	N9EDV/R	O			* N9EDV	04/04/93
WEST ALLIS	SE	224.520	KA9JCP/R	O A E			* KA9JCP	04/04/93
WEST ALLIS	SE	442.650	N9EJO/R	O PL T			* N9EJO	06/20/93
WEST BEND	SE	443.425	N9NBN/R	O PL 114.8 CA (P)			* N9NBN	04/19/93
WEST BEND	SE	444.900	N5IIA/R	O PL 114.8			* N5IIA	05/22/93
WEYERHAUSER	NW	145.170	KA0PZX/R	O			* KA0PZX	09/10/93
WI RAPIDS	NC	146.790	W9DQA/R	O			MIDST RA	10/20/92
WI RAPIDS	NC	147.330	K9PJ8/R	O CA E Z			* WI AIR RA	04/04/93

Ham's Son is "Ranger Scout" in Nolte-Roberts Film "I Love Trouble"



Nine-year-old Carl Plouffe (center), son of Rick (N9ROY, at left) and Juanita Plouffe (at right) of Wisconsin Dells, was cast as a Ranger Scout for "I Love Trouble," a film which was shot in large part at many locations in southern Wisconsin, as well as in Chicago. The movie stars Nick Nolte and Julia Roberts. Carl, who has speaking lines in the movie, will be seen in scenes shot at the south shore of Devils Lake, just south of Baraboo. The casting company was seeking 20 or so kids with "distinctive" looks. With red hair and freckles, Carl filled the bill. After auditioning in Chicago, Carl was chosen for a part with lines. Who knows.... maybe we'll see more of Carl on the big screen in other films. Time will tell. The movie should be released next summer. □

Modem Autobaud Switching

By Ronald W. Hooker, K9WTF
S68 W22700 National Avenue, Big Bend, WI 53103

The modems on the market at the present time are "autobaud" switching types. An advantage to this type of modem is best shown with an example. Let's say that you call into a BBS that you think is running at 2400 baud, but for some reason it responds to you at 1200 baud. The autobaud switching modem will automatically change the baud rate to 1200 baud and allow the connect between the two modems.

I use a computer mainframe which you call into and then, when you enter an access code, the phone line connection is terminated. The mainframe then calls you back.

The issue with this system is that the call-in modem is at 300 or 1200 baud, while the call-back modem also supports 2400 baud. I, of course, want to operate at 2400 baud. I set my modem to 2400 baud and call-in. The connect automatically resets the modem to 1200 baud. The call-back is sometimes fairly quick; and since the modems on both ends are autoswitching, this can sometimes be an issue in attempting communications.

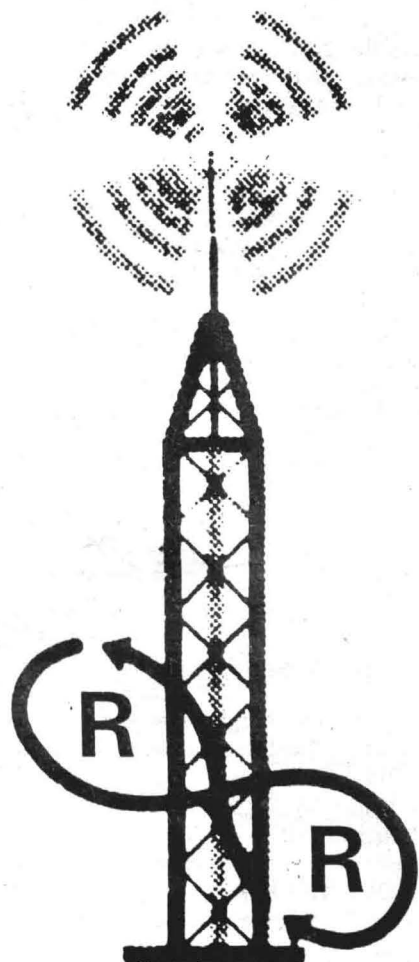
Most modems use the "Hayes" standard command set, and a method from this command set is provided to switch the baud rate. Herein lies the secret to making sure that the modem is at the desired baud rate. The "AT" command to the modem (to get its attention) is the command used to set the baud rate. Since I have the communications parameters from the terminal software set to 2400 baud, I simply issue the "AT" command to the modem to set the baud rate back to 2400 baud again - ready for the call-back. Another method of gaining time to get the modem reset is simply to remove the phone off the hook until you have it reset. Most of these types of devices will try again on a call-back.

My modem for this call-back connect must also be in the autoanswer mode within two rings. So when I issue the command to dial out to the mainframe, I also include the autoanswer command to the modem before the "dial" command. Then, in the hang-up string, I include the command to turn the autoanswer function off. For both of these commands, I would suggest that you use macros, which are available in most communications programs. □

This article first was published in Hamtrix, the club newsletter of the West Allis Radio Amateur Club. □

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Clubs and Organizations



Riverland Amateur Radio Club

Dick Low, K0JYB,
Secretary

Club mail address: P.O. Box 621
Onalaska, WI 54650



MEETING MINUTES OCTOBER 5, 1993

The October meeting of the Riverland Amateur Radio Club was called to order by President Bob, N9LZK, at 7:00 p.m. There were 30 members in attendance. Walt, AA9AW, was acting secretary due to the absence of Secretary Dick, K0JYB. Everyone introduced themselves.

The reading of the minutes was dispensed with pursuant to a motion by Feroz, WU9N.

The treasurer's report was given by Duane, W9HWQ, and accepted as read.

ANNOUNCEMENTS

Next month, the program theme will be SHOW and TELL. Bring in your creations, projects or whatever and present them to the group.

COMMITTEE REPORTS

AMATEUR RADIO WEEKEND: Kent, W9LZQ, informed us of very involved committee. Walt, AA9AW, and Bob, N9LZK, have checked out the trailer, and Walt has equipment lined up for the event. The Mayor of La Crosse signed the Proclamation and we have done quite a bit of publicizing, including handing out some flyers and posting them in grocery store bulletin boards as well as in the Radio Shack window at Valley View.

We also sent notice to the newspapers in La Crosse and Onalaska as well as the Crown Cable Co. in Onalaska is running an ad on TV.

Scott, KA9FOX, hopefully will be able to help with some radio broadcasts.

Walt, AA9AW, has an all mode 2 Mtr rig borrowed from John, K9OAH, and we will have VHF antennas which we should be able to use for satellite monitoring, and the Club's antennas will be there. There is an HF radio promised and also a Packet station set up. There will also be a GPS and APRS demonstration (Automatic Packet Reporting System). GPS means "Global Positioning System", and gives exact latitude and longitude indications. You have to see it to believe it.

AMATEUR RADIO CLASSES: Rick, KV9U, does not have the classes scheduled as yet, but is looking for alternate locations. The classes should start in late October or early November. Rick will announce the dates on the Sunday night newswire. He is also looking for people to who want to take classes. There are about 5 or 6 people that are interested that Rick knows about at the present time. The next exam session will be at this location (Onalaska Community Center). No date is set as yet.

OLD BUSINESS

Kent, W9LZQ, reported that Paul Emmot, K0LAV, from the twin cities will be at the Eau Claire meeting next Tuesday evening. He will be discussing the Super Link which goes out to Montana. Clarence, N9NXW, who is a member of the Eau Claire club will be attending the meeting.

NEW BUSINESS

Bruce, K9CUT, informed us of a local Ham who is having RFI problems. Feroz, WU9N, tells us that he is having RFI problems and is breaking into the audio of a neighbor's TV set. Feroz would like to have the TVI committee be reactivated as we now have two problems to be investigated. It was suggested that Dick, K0JYB, be appointed as chairman of the TVI-RFI committee. Anyone interested in the committee can contact Dick. Feroz reminded us that winter is coming and we must take action soon. His original request was made in June and no action was taken.

Meeting adjourned at 7:30 p.m.

There Was no program, but a raffle was held for a ticket to the Minn. Ham Fest to be held in St. Paul, MN on October 30. Two 25 amp lead acid batteries donated by N9JGG were raffled off, the proceeds going to the RARC. Caps were also sold as a fund raiser for the 440 repeater.

Submitted by Secretary Dick, K0JYB, with special thanks to Walt, AA9AW, for recording the meeting and taking notes in my absence.

Wisconsin Nets Association Ltd.

WNA MEETING BEAVER DAM, WISCONSIN SEPTEMBER 12, 1993

Chairman Larry Guthu, WB9ICH, called the meeting to order at 1:35 p.m., September 12, 1993. The following members and guests were present:

WB9ICH	W9AYK	KE9VU
KA9KLZ	K9FHI	N9UAR
WA9OAY	W9NGP	W9YCV
KV9U	W9CBE	K9GDF
W9BCV	K9KSA	

In the absence of Rob, WA9ZTY, WNA secretary, Art, KA9KLZ, volunteered to take the minutes. The chairman called for any corrections to the minutes of the last meeting. A motion was made and seconded (K9UTQ/K9FHI) to approve the minutes as written and mailed by the WNA secretary, WA9ZTY. Motion carried.

TREASURER'S REPORT: Treasurer Jim Merrill submitted the following report:

	INC.	EXP.	BAL.
Beginning Balance 6/1/93			\$67.07
July: no entries			
8/21/93 K9GU			
BSSS renewal 8/21/93	9.50		78.57
to BSSS		6.40	
9/12/93 KA9KLZ			
BSSS renewal 9/12/93	9.50		79.67
W9YCV booster	4.00		83.67
9/12/93 W9NGP			
BSSS renewal 9/12/93	9.50		93.17
K9UTQ			
BSSS renewal 9/12/93	9.50		103.17
to BSSS 9/12/93		19.20	83.97
Picnic loss (24.36)		24.36	59.61
9/14/93			
Current balance			\$59.61

PICNIC REPORT: 9/12/93

	INC.	EXP.	BAL.
Received from signups: 18 groups (Singles, couples, families)			
	\$53.00		53.00
Received from sale of surplus beer and pop			
	18.50		71.50
Expenses, beer, pop, and ice		39.20	32.30
Expenses, prizes		56.66	-\$24.36

All in all, the planners did a good job. Larry's gang managed to have enough prizes for everyone plus a couple left over. That bird feeder will still be a prime prize for next year, Larry.

Roy went overboard a mite on the "adult" refreshment. We were unable to dispose of the surplus, so K9FHI volunteered to "store" the extra. Now, I didn't inventory the brand and amount. What happens to it during the off season is up to conjecture. His storage fee might eat up what is left over. Perhaps his slug boats will be full next spring, resulting in a lower than average population of those pests in his garden. Then he may soak some of the corn that he feeds his squirrels in a few cans. That way, he can harvest a few of the critters already marinated. What ever.

*Respectfully submitted:
Jim, W9AYK, WNA Treasurer*

NET MANAGER AND ARRL OFFICIALS REPORTS

SECTION MANAGER (SM): SM Rich, K9GDF, has a list of nets in Wisconsin that he has compiled, and

nets in the state. (Editor's note: Rich's list will be published in the December issue of *Badger State Smoke Signals*.) Rich also showed the WNA members the excellent reports STM K9KSA turns in on traffic and net activity each month. Rich also has a BPL card for WB9YPY, who was not present. Rich also presented STM K9KSA with a certificate.

ASSISTANT SECTION MANAGER (ASM): ASM K9FHI requests members inform him if there are any clubs wanting ARRL affiliation.

SECTION TRAFFIC MANAGER (STM): STM K9KSA reported that he is receiving about 35 reports per month, and that Wisconsin is well represented on the Public Service Honor Roll and the Brass Pounders League.

SECTION EMERGENCY COORDINATOR (SEC): No report given.

BADGER WEATHER NET (BWN): N/M W9AYK reported that the band has been opening late but still having 50-70 checkins per day. The BWN is still a busy, working net, but requests for information packets is down.

WISCONSIN SIDEBAND NET (WSBN): N/M K9UTQ reports that the net is in the summer slump, but hopefully will pick up some in winter. Everything is running normally.

WISCONSIN NOVICE NET (WNN): Neither the N/M nor a delegate was present, but STM K9KSA reported that Adrian, KA9FVX, would like to be relieved as N/M.

WISCONSIN SLOW SPEED NET (WSSN): Neither the N/M nor a delegate was present, but STM K9KSA reported that the net was doing good.

WISCONSIN INTRASTATE NET-EARLY (WIN/E): N/M WB9ICH reported that traffic and checkins are down from 1992 totals. The net is averaging about 60 pieces of traffic per month and, as usual, needs 9RN reps.

WISCONSIN INTRASTATE NET-LATE (WIN/L): N/M W9NGP had to leave, so delegate K9KSA reported that WIN/L had 1590 checkins in the last nine months and was running steady. Traffic was 412 offered and 317 cleared. And, the net needs liaison stations to take traffic to the daytime SSB nets.

NORTH WOODS TRAFFIC NET (NWTN): No representative of the NWTN was present.

OLD BUSINESS

Les, W9YCV, reported on the status of the updating of the WNA manual. Les said that the revision was complete, and the manual could be printed at any time.

There was some discussion on changing the meetings back to having them at the homes of the members. No action was taken at this time.

Chairman WB9ICH read some comments by Rob, WA9ZTY, on recruiting new members for the nets. There was a general discussion on net activity, traffic handling, and recruitment of new members.

NEW BUSINESS

W9CBE would like to see a monthly column in BSSS. There was some discussion, but no volunteers to write a column.

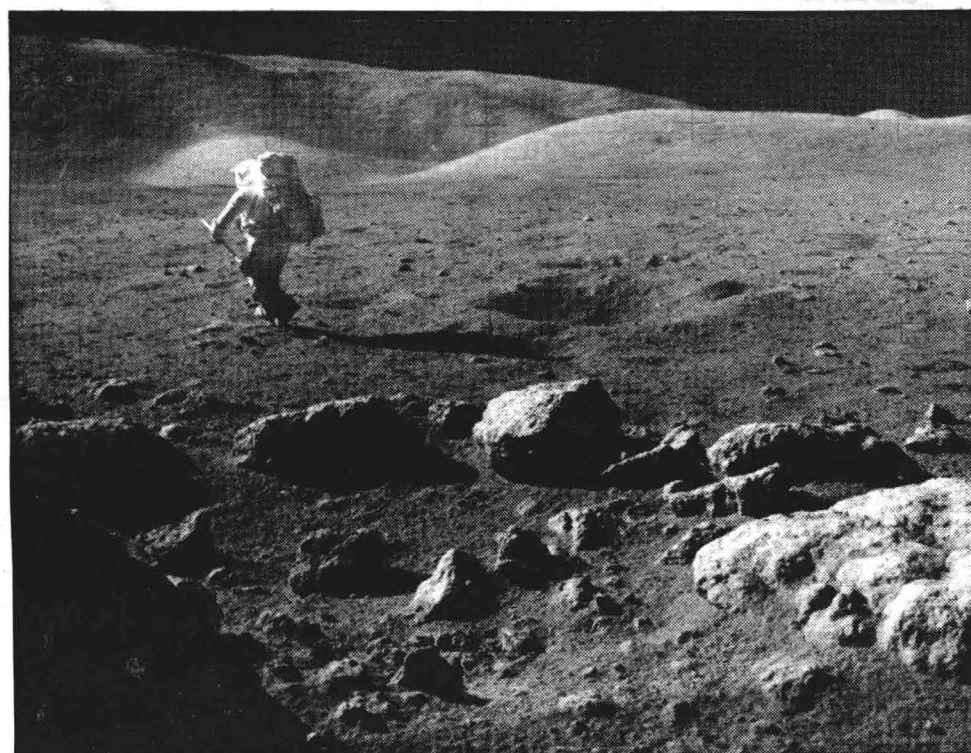
WNA Secretary WA9ZTY's term of office is up, so Chairman WB9ICH called for nominations for the office of secretary. There were no nominations, so KA9KLZ volunteered and was elected by acclamation.

Chairman WB9ICH set the date for the December on-the-air meeting for December 12.

With no further business at hand, Chairman WB9ICH called for a motion to adjourn. A motion was made and seconded (KE9VU/K9FHI) to adjourn. Motion carried. The meeting was adjourned at 2:45 p.m., September 12, 1993.

Respectfully submitted:

The Final Apollo Lunar Mission



This photo of an Apollo 17 astronaut exploring the surface of the moon was taken in November, 1972. The Apollo lunar landing missions had originally been planned to go through Apollo 22 (five more missions), but Congress shut off funding for those

Racine Megacycle Club

Arne Moxness, KA9ZPY, Secretary

3345 Newman Road • Racine, WI 53406

RACINE MEGACYCLE CLUB MEETING OCTOBER 11, 1993

The meeting was called to order at 7:30 p.m. by President Gary, N9MGH. The September meeting minutes as presented in the *Badger State Smoke Signals* were approved with minor corrections. There were 23 members present.

Treasurer Dave, AA9HL, gave the financial report. The new balance is \$1128.65. Dave also talked about the affiliation with the ARRL which is now official.

OLD BUSINESS

Bill, W9OVC, again mentioned the difficulty in getting the members to mail back the information he has requested so he can write about the Ham Of The Month.

NEW BUSINESS

Bruce, K9RRS, asked if someone knew about any Racine Megacycle Club patches.

Larry, WA9JMO, asked if there was an interest in purchasing special club jackets with printed logos. Since there was a very good response, Larry will look for jackets and prices and present at a future date. Please contact Larry if you have any questions or are interested in ordering one.

Dan, KA9OIL, was not present to report on the Fox Hunt, but we were informed that the next Hunt will take place on October 15. If any questions, contact Dan.

Bruce, K9RRS, talked about the plans in setting up a working 2-meter packet radio at the next Packet Users Group meeting. The Packet Users Group meets every Monday before the Racine Megacycle Club meeting. See the Ham schedule published with the minutes in the *Badger State Smoke Signals* every month for Fox Hunt dates.

The next license upgrade testing will take place on November 6 at the Red Cross Building. For details, please contact Bill, NW9P, or any club officers.

The "Goodie Box" (boat anchor) was given to Paul, N9RGW.

Larry, WA9JMO, Chairman for the 1994 Ham Dinner, gave a report on the present plans, which have not been fully established. The next planning meeting will take place in the week of October 18 to 23. There are representatives from

HAM CALENDAR Courtesy of the Racine Megacycle Club

Nov 1	Packet Group
Nov 6	Hamfest at Milwaukee
Nov 6	Testing at Red Cross
Nov 7	Hamfest at Kaukana
Nov 8	Megacycle meeting
Nov 12	Fox Hunt
Nov 27	Fox Hunt

Dec 4	Testing at Red Cross
Dec 4	Hamfest at Grays Lake
Dec 6	Packet Group
Dec 10	Fox Hunt
Dec 13	Megacycle meeting

1994

Jan 9	Hamfest at Waukesha
Jan 30	Hamfest at the Odeum
Feb 22	Auction at Eau Claire
Mar 27	Hamfest at Grays Lake
Apr 10	Hamfest at Madison
Apr 17	Hamfest at Rockford
May 15	Hamfest at Peotone
Jul 9	Hamfest at Oak Creek
Jul 23	Hamfest at Eau Claire
Jul 31	HAMFEST RACINE

every club which will attend, but anyone interested is welcome to attend. Please contact Larry. The dinner itself will take place in late February.

The official meeting was adjourned at 8:10 p.m.

The Program for the evening was held by Paul, N9RGW. Paul spoke about the "truth or fiction" about Sherlock Holmes and the history behind him. Paul is himself a member in the very little known Baker Street Society, which have clubs all over the world. They call themselves Sherlockians. It was a very interesting program, and Paul had brought with him a number of books about Sherlock Holmes which he referred to in his speech and a typical Sherlock hat and pipe.

After the meeting, many Hams left for the Reflections Restaurant for coffee.

Respectfully submitted:
Arne, KA9ZPY, Club Secretary

Mancorad Radio Club

John Meyer, NZ9Z, Secretary

P.O. Box 204 • Manitowoc, WI
54221-0204



MEETING MINUTES OCTOBER 13, 1993

The October meeting was called to order at 7:30 p.m. by President Chuck, N9KGL. The treasurer's Report was approved as read. The minutes of the September meeting were approved as printed in the *Smoke Signals* (motion to approve made by Red, N9GHE, seconded by Chuck, W9BZU.)

John, NZ9Z, next gave a talk on the Ins and Outs of QSLing. The QSL Bureaus were explained, as well as the new vs. the old IRCs, and how to make your QSL letters less susceptible to thievery.

OLD BUSINESS

Red informed everyone that the ManCoRad Midwinter Banquet will be held on the second Saturday of January, the 15th, at the Cedar Ridge Restaurant. Things will get rolling between 6 and 6:30 p.m., with dinner at 7 p.m. Dinner will be chicken and ribs, served family style -- \$8 per person (tips included). Reservations need to be paid for by the December meeting.

Memberships for the next year are due on or before the December meeting to insure uninterrupted delivery of the *Smoke Signals*.

Chuck showed the club the ARRL Special Service Club award, now nicely framed.

NEW BUSINESS

Howard, KE9YD, suggested having fund-raising raffles at club meetings, with members bringing in unneeded gear for the prizes.

Howard also asked whether it would be possible to get the meeting minutes onto a local packet BBS (or at least the high-lights.) Your secretary noted that though the minutes are sent to the *Smoke Signals* on floppy disk, the file uses Word Perfect, which could not readily be transferred to the BBS. (Note de NZ9Z: all paid members should be getting the *Smoke Signals* every month with the minutes in it -- if you aren't, contact Janice, N9IQZ, immediately!)

Carl, KA9ZTF, suggested using some club funds for an annual scholarship. He will look into how to get one set up.

A motion was made by Red to procure

a dry write board for the clubroom. Steve, N9PBL, will look into obtaining one.

There will be a drill on November 16th for the Kewaunee Nuclear Plant. Clancy, KB9ECW, our EC, plans to have a RACES meeting before that.

Club President Chuck showed the club a plaque he had made, which expresses his thanks to a number of the club members who helped him make the year and a half of his presidency a success. (Both this plaque and the Special Service award will permanently hang in the clubroom.)

Elections of club officers was held next. Steve, N9PBL, was elected President, unanimously. Mary, KB9GOY, was elected Vice-President. Eric, WD9IAB, takes on the Secretary's job (Tnx Eric, de NZ9Z!). Janice, N9IQZ, will continue as Treasurer, and Yogi, WN9Q, Ron, WS9X, and Clancy, KB9ECW, are Board Members at Large.

The meeting was adjourned at 8:50 p.m. Lunch was served afterwards.

Submitted for approval:
John Meyer, NZ9Z, Secretary
(73 & see you in the pileups!)

MEMBERS IN ATTENDANCE

N9KGL	Chuck Smith
NZ9Z	John Meyer
KE9YD	Howard Hamann
N9IQZ	Janice Schaden
N9UTU	Glenn Debaker
N9QFO	Len Coombs
K9DUX	Bill Zastrow
WB9OBX	Ken Tate
N9JZZ	Mark Marshak
N9PBL	Steve Bacalzo
N9UGI	David Meneau
WD9ERN	Bill Daly
N9FVZ	Dan Fischer
N9PAS	Dennis Meneau
N9UFZ	Mike Kluczinske
WB9VYO	Vic Holzinger
KA9ZTF	Carl Olson
W9BZU	Chuck Scholten
W9GXD	Charlie Schiman
WD9ERM	Conrad Meyer
N9GHE	Red Pajula
KB9ECW	Clancy Meneau
W9TQV	Hubert Willis
WS9X	Ron Schaden
N9QFY	Dick Swanson
N9QFX	Paul Welnicke
KB9INK	Bob Dunn
KA9EAX	Dan Scherer
WD9IAB	Eric Rugowski

Northern Wisconsin Radio Club

- Since 1923 -

Steve Hart, KA9OMC, Secretary

Route 1, Box 54 • Knapp, WI 54749



Greetings, NWRC members and guests. The last meeting of NWRC was held on Sept. 28th in Menomonie. Officers present were AA9GB, Cory, and KA9OMC, Steve.

Club business included a reminder that Oct. 26th is the election of officers, and that you should be present if you wish to serve the club.

Handouts on some software from California Software as it pertains to HamWindows and information on the upcoming Hamfest Minnesota were passed around. A drawing for a ticket to the hamfest was held, and N9RSU, Leroy, was the winner.

Club balance was \$48.50.

After the meeting, a program on direction finding was given by K0DL, Don, and K9IAG, Ken. Both amateurs had built up kits and demonstrated to the group the operation of their equipment. This was very interesting, and it is our hope that

many of you will continue building and testing gear. The club has information on many kits that are available. Just drop us a line.

Our thanks to Ken and Don, and we look forward to hearing from them again.

The next meeting of NWRC will be Oct. 26 at the Peppermill Restaurant, T-Bird Mall, Menomonie, at 7:30 p.m. This will be the election of officers, and we have rescheduled a program offered by N9-KMY, Don, on "mobile cursor".

A reminder that we are not scheduling a meeting for December.

LOCAL AMATEUR NEWS

AA9GB, Cory Zito, at Menomonie High School is taking extra curriculum at UW-Stout. Good luck on the calculus, Cory!

Steve Hart, KA9OMC
NWRC Secretary/Treasurer

Racine Hamfest Photo Log



Dave Schold, KB9HSG, gears up to use the two-meter transceiver in the Racine Police Department's Command Post for swapfest talkin. The swapfest was a success, and all are looking forward to the 1994 'fest.

- Photo courtesy Dave Voss/WB9U



WB9QFW 2-Meter Repeater 146.07-.67 and Club Station

P. O. Box 847 • Plover, WI 54467

The monthly club meeting was called to order at 7:30 pm by President Art Wysocki (N9BCA).

Those in attendance were:

Art Wysocki	N9BCA
Frank Guth	W9BCC
Loren Larson	N9SEA
Mike Pagel	KA9LAQ
Steve Kochanowski	KB9IIE
Ken Slusarski	N9SDW
Dave Golla	N9OVT
Bob Baird	W9NN
Doc Rifleman	WA9N
Frank Podach	N9JQR
Ray Dix	KF9BG
Joann Dix	N9NOG
Paul Nelles	K9DB
Mark Nemzoff	N9ICY
Ron Howe	NJ9H
Gene Kroll	KE9MA
Deb Kroll	N9EIL
Mike Eiden	WD9JID
Mary Eiden	KA9FAS
Joe Omernick	N9CGV
Scott Jasper	NE9U
Lori Jasper	KA9ZGD
Arielle Jasper	
Alex Jasper	
Jim White	N9SDU
Gordon Miller	KE9IA

Scott, NE9U, gave the treasurer's report. Because of the major purchase of a new repeater for the W9NN 146.985 repeater, our funds are about 1/4th of what they were in June. Donations are being accepted for the add-on boards, etc., for the new repeater. For a minimum \$25 donation, a handsome certificate of appreciation will be awarded.

Joe, N9JW, was busy teaching our Novice/Technician class, so there was not a secretary's report this month.

Ron, NJ9H, our equipment engineer, gave us an update on our club repeaters. The new repeater on 146.985 is up and running in test mode. Although running pretty well, there have been a few burps

and belches being occasionally emitted from it. Ron reported that when someone is using the 146.67 machine and the 146.985 machine at the same time, the 146.985 user sounds as if he is in an echo chamber. Ron is investigating. Ron also distributed some hand-outs detailing auto-dial codes, auto-patch functions and other touch tone features of the new machine.

Mike, KA9LAQ, gave us a run down of how the 146.67 auto-patch problems were solved. Apparently a relay had been struck by lightning some time in the past, and was causing all the problems. A new relay was shipped to us free of charge, installed, and everything is now ok.

Joe, N9CGV, inquired as to the age of the coax on our 985 machine. Since the coax was about 8 years old, Joe graciously donated to the club about 75 feet of new coax he had sitting around his basement. Ron, NJ9H, will get it installed.

Mike, KA9LAQ, mentioned that there are a few contests and operating events coming up in the next few months, CQWWDX, ARRL Sweepstakes, ARRL 10 meter contest to name a few. With the Club's PacketCluster node (WB9QFW) running from the club station, it might be fun to try operating a contest as a group from the club station. Anyone interested? Contact Mike (KA9LAQ) or Scott (NE9U).

Paul, K9DB, inquired as to the status of the club's ATV equipment. No one seemed to know where it is! Paul is going to track down.

The meeting was adjourned around 8:45, and we watched a video called "video toaster". It talked about the fantastic video effects that can be created with a simple desk top computer.

The next club meeting will be November 10th at 7:30 in room A-109 of the UWSP science building. Everyone is welcome.

73, Scott, NE9U
CWRA Club Treasurer

Taylor County Area Amateur Radio Club

Bernard Jari, KA9WDX, Secretary

W3159 Hanley Lane • Medford, WI 54451-9689

MEETING ANNOUNCEMENT

The next regular club meeting will be held on Thursday, November 7, 1993, at 7 p.m. in the Emergency Government

meeting room/Red Cross annex to the Taylor County Courthouse, on the corner of 2nd and Ogden Streets in Medford, WI. Talk-in on the 147.750/147.150 (Medford) repeater.

The BSSS Circulation Department



Volunteer BSSS Publisher Ken Ebner, K9EN, is also the feller who works hard at maintaining the mailing list for the newspaper, as well as labeling it (usually with volunteer Treasurer Jim Decker, WB9UQT), preparing Postal Service paperwork, and lugging the sacks to the Postage post office every month.

Sheboygan County Amateur Radio Club

Gregg Meschler, N9PZV, Secretary

2309 North 34th Street • Sheboygan, WI 53083

The October 12, 1993 meeting of the Sheboygan County Amateur Radio Club was called to order at 7 p.m. by club president Penny Ten Pas, N9TCF. New club member Mike, N9SVQ, was welcomed.

The minutes from the last meeting were read and approved.

The Treasurer's report was read by Al, NF9R.

COMMITTEE REPORTS

Technical: no report.
Volunteers were solicited for the Monday night 2 Meter Net Control.

If you hold a General Class license or higher and would like to help out by becoming an ARRL Volunteer Examiner, contact Tom Hetzel, AA9BJ.

OLD BUSINESS

Fox Hunt was once intended to be held every other month however interest has fallen off. Saturday, October 23 was selected as the next hunt date.

Valentine's Day dinner location was discussed and Al, NF9R, was elected to check on reservations.

The fall session of the Novice class instruction is under way. It's held Wednesday nights at the Red Cross Building starting with code practice at 6:30 p.m., followed by instruction. Club members were asked to tune in to 28.350 MHz about 7:00 p.m. to hold a QSO with the class beginning Oct. 19th.

NEW BUSINESS

November meeting program will be on satellite communications presented by Mike Filipiak, KO9Q.

December program will be a surprise slide presentation. Remember the annual optional \$5 to \$10 value gift exchange. To get a gift, you must bring a gift.

Volunteers for chairman for next year's Field Day was solicited and Chris Jacobs, KB9IKQ, was elected.

Steve, KF9KZ, bought the club tri-band yagi after unanimous vote by the attending membership.

Art Pahr, K9XJ, recommended a fund raising option. He would need 33 people of legal drinking age to work the concession stands at the county fair grounds. Must work for 6 hours during one evening of car races.

Art instructed the membership that the procedural call "PAN PAN" is an emergency call one step below "MAY DAY." Please respond if you hear this call.

Al, NF9R, offered information listings on disk covering packet cluster, club rosters, etc. Some manufacturer's coupons have been received by the club toward the purchase of a radio equipment. Ask for them from Penny, N9TCF.

The meeting was adjourned for a presentation on packet, graciously provided by Al, NF9R.

Respectfully Submitted,
Gregg Meschler, N9PZV

Eau Claire Amateur Radio Club

J. Brennan Fitzl, N9LIJ, Secretary

1418 Altoona Avenue • Eau Claire, WI 54701

MEETING MINUTES OCTOBER 12, 1993

The meeting was called to order by President Bill Jablonske (W9NNS) at 1933 local time.

Jim Fitzl (N9LIJ) read the minutes of the September meeting, which were approved as read.

Sue Eide (KB9EUP) read the treasurer's report, which was accepted by the membership.

W9NNS passed on a letter he had received for ARES to the emergency coordinator, Mike (N9JMA).

OLD BUSINESS

K9UXP REPEATER STATUS: Joe (KB9R) reported that the new machine is being worked on, and an interface for the ACC controller is being constructed. The machine currently installed is the old repeater with the ACC controller. The new repeater has an intermittent problem with the PA.

N9LIJ read a report on the meeting held October 7 concerning the 147.84/.24 repeater.

NEW BUSINESS

The annual club Christmas Party will be held at the Parks and Recreation building on December 14. N9LIJ made a motion that a committee be formed to decorate and make any arrangements required for the party. The motion was carried. Committee members will be in charge of the food and decorations and other neces-

sary arrangements. Make-up of the committee tabled to next meeting.

A nomination committee was formed to present a slate of candidates for the December election of club officers. The committee consists of N9JMA, WU9R, and N9TUA. Their report is due at the November meeting.

W9NNS has command cards for the 147.345 repeater, but has a few bugs to work out with equipment before handing them out. He anticipates handing them out to the club at the next meeting.

N9JMA suggested that we plan our flyer for next year's hamfest now, since the date has been set. W9NNS asked about workshops, etc., for the hamfest. Packet and possibly something on HF was suggested.

W0OCZ needs to borrow a Commodore 64. Problem solved.

Lunch committee for the next meeting: Mrs. Spangler and KB9EUP.

The business meeting adjourned for lunch before a very interesting and informative program about the Superlink system. K0LAV, Paul Emiott, and WB0BWL, Reuben Ruen, presented the program describing the system, how it works, and what must be done by a club to become a part of Superlink. They had a well-organized presentation, and took much time to answer questions from the floor. Our thanks to Paul and Reuben for their visit.

Next meeting will be November 9, 1993, at the Parks and Recreation Building.

Respectfully submitted:
J. Brennan Fitzl (N9LIJ), Secretary

Every new radio amateur in Wisconsin gets a sample copy of **Badger State Smoke Signals**. If this is your sample copy, we invite you to subscribe. Please use the form on page 5.

ARRL Wisconsin Section Amateur Radio Emergency Service

Revised through September 13, 1993

SECTION LEADERS

SECTION MANAGER K9GDF

Richard R. Regent
5003 S. 26th Street
Milwaukee, WI, 53221

SECTION EMERGENCY COORDINATOR (also Waukesha and Milwaukee Counties, and South East Wisconsin) WB9SMM

John Leekley, Jr.
W148 N7590 Woodland Drive
Menomonee Falls, WI 53051

ASST. SECTION EMERGENCY COORDINATOR W9NGT

Sherman Carr
756 W. Washington Avenue
Hartford, WI, 53027

ARRL WISCONSIN SECTION DISTRICT EMERGENCY COORDINATORS

NORTH WEST (and Burnett County) NB9H

William Maves
27280 West Connors Lake Road
Webster, WI 54893-8710

NORTH CENTRAL

(vacant)

NORTH EAST

(vacant)

WEST CENTRAL (and LaCrosse County) W9LZQ

Richard K. Helman
1063 Fairfield St.
Onalaska, WI 54650

CENTRAL (and Marathon County) KC9NW

Richard M. Maier
1810 Perry Drive
Schofield, WI 54476-4817

EAST CENTRAL

WD9FLJ
Wayne C. Pennings
913 North Mason Street
Appleton, WI 54914

SOUTHWEST (also South Central and Baraboo Severe Weather Operations) KC9XH

John E. Offerdahl
110 Lincoln St.
Verona, WI 53593

SOUTH CENTRAL (also South West and Baraboo Severe Weather Operations) KC9XH

John E. Offerdahl
110 Lincoln St.
Verona, WI 53593

SOUTHEAST

WB9SMM
John Leekley, Jr.
W148 N7590 Woodland Dr.
Menomonee Falls, WI 53051

ADAMS COUNTY

(vacant)

ASHLAND COUNTY

(vacant)

BARRON COUNTY

W0LUY
Ernest W. Wendt
1751 28th Ave. CO VV
Rice Lake, WI 54868

BAYFIELD COUNTY

(vacant)

BROWN COUNTY

WB9NRK
Dale Johnson
1331 Bellevue Road Lot 371
Green Bay, WI 54302

BURNETT COUNTY (and North West Wisconsin)

NB9H
William Maves
27280 West Connors Lake Road
Webster, WI 54893-8710

CALUMET COUNTY

KN9P
Michael T. Ortlieb
W2104 Crosstown Road
Hilbert, WI 54129

CHIPPEWA COUNTY

N9ISN
Al Schlaugat
Route 3, Box 139A
Colfax, WI 54730

CLARK COUNTY (and Taylor County) N9GHZ

Michael D. Schoenfuss
P. O. Box 401
Abbotsford, WI 54405-0401

COLUMBIA COUNTY

K9EN
Kenneth A. Ebner
822 Wauona Trail
Portage, WI 53901

CRAWFORD COUNTY

(Vacant)

DANE COUNTY

K9JVP
Jim Stone
102 South 5th Street
Mt. Horeb, WI 53572

DODGE COUNTY

KA9FNE
Arnold P. Zietlow
155 S. Hyland St.
Juneau, WI 53039

DOOR COUNTY

(vacant)

DOUGLAS COUNTY

(vacant)

DUNN COUNTY

NX9F
James P. Ley
729 River Heights Rd.
Menomonie, WI 54751

EAU CLAIRE COUNTY

(vacant)

FLORENCE COUNTY

(vacant)

FOND DU LAC COUNTY

K9GEI
Robert Fishelson
W4541 Golf Course Drive
Fond Du Lac, WI 54935

FOREST COUNTY

(vacant)

GRANT COUNTY

(Vacant)

GREEN COUNTY

(vacant)

GREEN LAKE COUNTY

KB9UI
Jeffrey P. Warnke
W13355 Locust Rd.
Ripon, WI 54971

IOWA COUNTY

KB9AKM
Ray Laverty
R.R. 2, Box 173
Hollandale, WI 53544

IRON COUNTY

KT9I
Dale L. Ristrom
1202 Hwy. 77
Pence, WI 54553

JACKSON COUNTY

(vacant)

JEFFERSON COUNTY

KF9EW
Neil R. Zimmermann
702 Palmyra Street
P. O. Box 83
Sullivan, WI 53178

JUNEAU COUNTY

WB9WKV
Raymond Bailey
W7273 32nd St.
New Lisbon, WI 53950

KENOSHA COUNTY

WB9LST
Raymond G. Wolfe
4929 39th Avenue
Kenosha, WI 53142

KEWAUNEE COUNTY

(vacant)

LA CROSSE COUNTY (and West Central Wisconsin)

W9LZQ
Richard K. Helman
1063 Fairfield St.
Onalaska, WI 54650

LAFAYETTE COUNTY

(vacant)

LANGLADE COUNTY

Paul Kanikula
N3303 5th Avenue Road
Polar, WI 54418

LINCOLN COUNTY

N9HJF
Norman L. Winters
219 E. Lincoln Avenue
Tomahawk, WI 54487

MANITOWOC COUNTY

WB9ESM
John F. Glaeser
4405 Menasha Avenue
Manitowoc, WI 54220-1151

MARATHON COUNTY (and Central)

KC9NW
Richard M. Maier
1810 Perry Drive
Schofield, WI 54476-4817

MARINETTE COUNTY (SOUTH)

WB9NCT
Dottie Staffeldt
N7671 Deer Lane
Porterfield, WI 54159

MARINETTE COUNTY (NORTH)

(vacant)

MARQUETTE COUNTY

(vacant)

MENOMONEE COUNTY

(vacant)

MILWAUKEE COUNTY

WB9SMM
John Leekley, Jr.
W148 N7590 Woodland Dr.
Menomonee Falls, WI 53051

MONROE COUNTY

KA9PSL
Michael D. Hoier
Rt. 1, Box 162A
Tomah, WI 54660

OCONTO COUNTY

(vacant)

ONEIDA COUNTY

K9BTP
William Priebe
3170 Boyce Drive
Rhineland, WI 54501

OUTAGAMIE COUNTY

KB9BYP
Jeffrey Schmeichel
W4038 Delrose Lane
Appleton, WI 54915

OZAUKEE COUNTY

WB9RQR
Stan Kaplan
11541 North Laguna Drive
Mequon, WI 53092-3119

PEPIN COUNTY

PIERCE COUNTY

W9SK
Michael J. Perkins
440 Elm St. Rt. 3, Box 32
Ellsworth, WI 54011

POLK COUNTY

(vacant)

PORTAGE COUNTY

KA9ACE
James E. Benak
1909 Strongs Avenue
Stevens Point, WI 54481

PRICE COUNTY

AG9G
Dwight D. Simpson
W6929 Raskie Rd.
Phillips, WI 54555

RACINE COUNTY

WB9RGO
Lloyd G. Gorsiski
1307 Isabelle Avenue
Racine, WI 53402

RICHLAND COUNTY

(Vacant)

ROCK COUNTY

(Vacant)

RUSK COUNTY

(vacant)

SAUK COUNTY

WB9UQT
James H. Decker
507 8th Street
Baraboo, WI 53913

SAWYER COUNTY

(vacant)

SHAWANO COUNTY

KA9TCN
L. John Fiskien
306 West Stevens Avenue
Shawano, WI 54166

SHEBOYGAN COUNTY

(vacant)

ST. CROIX COUNTY

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Frank J. VanSomeran
1120 Spruce Road
Baldwin, WI 54002-9434

TAYLOR COUNTY (and Clark County) N9GHZ

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P. O. Box 401
Abbotsford, WI 54405-0401

TREMPEALEAU COUNTY

NQ9X
Edward L. VanSickle
R.R. 2, Box 24
Whitehall, WI 54773

VERNON COUNTY

(Vacant)

VILAS COUNTY

KE9UE
Tom Kinney
P. O. Box 894
Rhineland, WI 54051
(8824 County Road J,
Woodruff, WI)

WALWORTH COUNTY

KA9JJK
Gilbert Neuhaus
Rt. 4, Box 312F
Delavan, WI 53115

WASHBURN COUNTY

(vacant)

WASHINGTON COUNTY

N9LZW
Tom Waldschmidt
465 Elder Lane
Allenton, WI 53002-9799

WAUKESHA COUNTY

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Menomonee Falls, WI 53051

WAUPACA COUNTY

N9BKJ
Robert W. Krueger
620 Harding Street
Waupaca, WI 54981

WAUSHARA COUNTY

K9CUI
Erwin "Doc" Reiser
Rt. 3, Box 560
Wautoma, WI 54982

WINNEBAGO COUNTY

W9UDX
Duane Ritschke
1734 Delaware St.
Oshkosh, WI 54901

WOOD COUNTY

WB9QXO
Jack F. Lukes, Jr.
341 13th Street So.
Wisconsin Rapids, WI 54494

CITY OF WATERTOWN

WA9KCU
Claude C. Held, II
757 Kathryn Court
Watertown, WI 53094

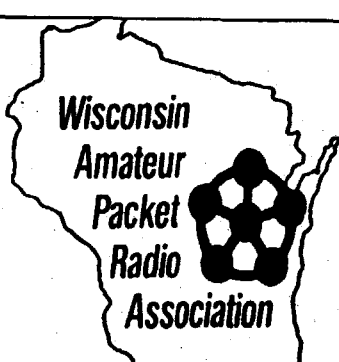
CWRA BARABOO 146.88 Repeater SEVERE WEATHER OPERATIONS (and South West and South Central Wisconsin)

KC9XH
John E. Offerdahl
110 Lincoln Street
Verona, WI 53593

NWS FORECAST AND WARNING

CENTER, SULLIVAN, WI
N9IDH
James E. Clark
235 Ellsworth Place
Waukesha, WI 53186

If you would like to join ARES, contact the EC in your county. If the EC position is vacant in your county, contact SEC John Leekley, WB9SMM, for full information about the requirements and a description of what an EC is and does. □



THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association (WAPRA)

Ted Heilmann, W9LLT
921 8th Ave., Grafton, WI 53024

Steve Loeffler, WB9ZRE, Editor, 123 W. Oshkosh St., Ripon, WI 54971

WAPRA November Meeting

A general meeting of the membership will be held in WAUSAU on November 6 at 10:00. Topics include the forwarding and LAN problems of the Central Wisconsin LAN and area. What options have we? Procedure on Nodine to Lodi linking: report from W9LZQ. Open forum and more. Send suggestions to me now if you want your favorite topic covered.

MEETING PLACE:

St. Michael's \
St. Michael's Grade School
On 614 Steuben at Sixth Ave. North.

More later.

Bill W9NNS @ W9NNS.#CFL.WI 715-723-4088

To the WAPRA membership...

Subject : Treasurer's Report
Period of August 9th. - October 1st, 1993.
From : N9LLT (Treasurer)

Date Trans. Desc. Amount Balance

9 AUG 93	Beg. Balance	\$1164.48	\$1164.48
10 AUG 93	Adj. Deposit	+ \$ 15.00	\$1179.48
19 AUG 93	Purch. GE Radios	- \$ 200.00	\$ 979.48
23 AUG 93	Deposit	+ \$ 495.00	\$1474.48
10 SEP 93	Deposit	+ \$ 120.00	\$1594.48
11 SEP 93	Antenna Purchase	- \$ 94.90	\$1499.58
18 SEP 93	Printer Cartridge	- \$ 21.09	\$1478.49
23 SEP 93	BSSS payment	- \$ 129.60	\$1348.89
27 SEP 93	Postage	- \$ 29.00	\$1319.89
1 OCT 93	Deposit	+ \$ 150.00	\$1469.89

Ending Balance \$1469.89

Respectfully submitted,
Ted Heilmann
(N9LLT @ WB9TYT.#AKE.WI.USA.NOAM)

THANK YOU, MEMBERS, FOR YOUR CONTINUING SUPPORT !!

THE ARRL INCOMING QSL BUREAU SYSTEM

Purpose

Within the U.S. and Canada, the ARRL DX QSL Bureau System is made up of numerous call area bureaus that act as central clearing houses for QSLs arriving from foreign countries. These "incoming" bureaus are staffed by volunteers. The service is free and ARRL membership is not required.

How it Works

Most countries have "outgoing" QSL bureaus that operate in much the same manner as the ARRL Outgoing QSL Service. The member sends his cards to his outgoing bureau where they are packaged and shipped to the appropriate countries.

A majority of the DX QSLs are shipped directly to the individual incoming bureaus where volunteers sort the incoming QSLs by the first letter of the call sign suffix. One individual may be assigned the responsibility of handling from one or more letters of the alphabet. Operating costs are funded from ARRL membership dues.

Claiming your QSLs

Send a 5 x 7-1/2 or 6 x 9 inch self-addressed, stamped envelope (SASE) to the bureau serving your callsign district. Neatly print your call-sign in the upper left corner of the envelope. Place your mailing address on the front of the envelope. A suggested way to send envelopes is to affix a first class stamp and clip extra postage to the envelope. Then, if you receive more than 1 oz. of cards, they can be sent in the single package.

Some incoming bureaus sell envelopes or postage credits in addition to the normal SASE handling. They provide the proper envelope and postage upon the prepayment of a certain fee. The exact arrangements can be obtained by sending your inquiry with a SASE to your area bureau. A list of bureaus appears below.

Helpful Hints

Good cooperation between the DXer and the bureau is important to ensure a smooth flow of cards. Remember that the people who work in the area bureaus are volunteers. They are providing you with a valuable service. With that thought in mind, please pay close attention to the following DOs and DON'Ts.

* DOs

* DO keep self-addressed 5 x 7-1/2 or 6 x 9 inch envelopes on file at your bureau, with your call in the upper left corner, and affix at least one unit of first-class postage.

* DO send the bureau enough postage to cover SASEs on file and enough to take care of possible postage rate increases.

* DO respond quickly to any bureau request for SASEs, stamps or money. Unclaimed card backlogs are the bureau's biggest problem.

* DO notify the bureau of your new call as you upgrade. Please send SASEs with new call, in addition to SASEs with old call.

* DO include a SASE with any information request to the bureau.

* DO notify the bureau in writing if you don't want your cards.

* DON'Ts

* DON'T send domestic US to US cards to your call-area bureau.

* DON'T expect DX cards to arrive for several months after the QSO. Overseas delivery is very slow. Many cards coming from overseas bureaus are over a year old.

* DON'T send your outgoing DX cards to your call-area bureau.

* DON'T send SASEs to your "portable" bureau. For example, AA2Z/1 sends SASEs to the W2 bureau, not the W1 bureau.

* DON'T send SASEs to the ARRL Outgoing QSL Service.

ARRL INCOMING DX QSL BUREAU ADDRESSES

First Call Area: All calls* -

W1 QSL Bureau
Y.C.C.C.
P.O. Box 80216
Springfield, MA 01138-0216

Second Call Area: All calls* -

ARRL 2nd District QSL Bureau
N.J.D.X.A., P.O. Box 599
Morris Plains, NJ 07950.

Third Call Area: All calls -

C-CARS, P.O. Box 448
New Kingstown, PA 17072 - 0448

Fourth Call Area: All single-letter prefixes
(K4, N4, W4) -

Mecklenburg Amateur Radio Club
P.O. Box DX
Charlotte, NC 28220

Fourth Call Area: All two-letter prefixes
(AA4, KB4, NC4, WD4, etc.)

Sterling Park Amateur Radio Club
Call Box 599
Sterling, VA 20167

Fifth Call Area - All calls* -

ARRL W5 Incoming QSL Bureau
P.O. Box 50625
Midland, TX 79710

Sixth Call Area: All calls* -

ARRL Sixth (6th) District DX QSL Bureau
P.O. Box 1460
Sun Valley, CA 91352

Seventh Call Area: All calls -

Willamette Valley DX Club, Inc.
P.O. Box 555
Portland, OR 97207

Eighth Call Area: All calls -

8th Area QSL Bureau
P.O. Box 182165
Columbus, OH 43218-2165

Ninth Call Area: All calls* -

Northern Illinois DX Assn.
Box 519
Elmhurst, IL 60126

Zero Call Area: All calls* -

W0 QSL Bureau
P.O. Box 4798
Overland Park, KS 66204

Puerto Rico: All calls* -

KP4 QSL Bureau
P.O. Box 1061
San Juan, PR 00902

U.S. Virgin Islands: All calls -

Virgin Islands ARC
GPO Box 11360
Charlotte, Amalie
Virgin Islands 00801

Hawaiian Islands: All calls* -

Wayne Jones, NH6GJ
P.O. Box 788
Wahiawa, HI 96786

Alaska: All calls* -

Alaska QSL Bureau
4304 Garfield St.
Anchorage, AK 99503

Guam: MARC

Box 445
Agana, Guam 96910

SWL: Mike Witkowski, WDX9JFT

4206 Nebel St.
Stevens Point, WI 54481

QSL Cards for Canada may be sent to:

CRRIL Incoming QSL Bureau
Kennebecasis Valley Amateur Radio Club
Box 51
St. John, NB E2L 3X1

QSL cards for Canada may also be sent to the individual bureaus:

VE1,VE0,VY2* - James Wade, VE1DH
P.O. Box 141
Petitcodiac, NB E0A 2H0

VE2 - A.G. Daemen, VE2LJ
2960 Douglas Ave.
Montreal, PQ H3R 2E3

VE3 - Gary Hammond, VE3XN
5 McLaren Ave.
Listowel, ON N4W 3K1

VE4 - Adam Romanchuk, VE4SN
26 Morrison St.
Winnipeg, MB R2V 3B4

VE5*- Bj. Madsen, VE5FX
739 Washington Dr.
Weyburn, SK S4H 2S4

VE6*- Norm Waltho, VE6WV
P.O. Box 1890
Morinville, AB T0G 1P0

VE7*- Dennis Livesey, VE7DK
8309 112th St.
Delta BC V4C 4W7

VE8*- Rolf Ziemann, VE8RZ
2 Taylor Road.
Yellowknife, NWT X1A 2K9

VO1, VO2 - Roland Peddle, VO1BD
P.O. Box 6
St. John's, NF A1C 5H5

VY1 - W.L. Champagne, VY1AU
P.O. Box 4597
Whitehorse, YU Y1A 2RB

* These bureaus sell envelopes or postage credits. Send a SASE to the bureau for further information.

from WB9TYT @ WB9TYT.#AKE.WI.USA.NOAM

THE BARGAIN MODE
SSB
SELL SWAP BUY
OUR WANT ADS GET RESULTS

FOR SALE: SB-303 receiver, SB-401 transmitter, Electro Voice Microphone, HW-8 QRP transceiver. Also Many Tubes. Millward Christianson, 424 W. Pine St., Sturgeon Bay, WI 54235.

FOR SALE: Icom 3210 dual band, 2m and 440, 25W, extended transmit and receive; \$375.00. Keyer; \$25.00. Garage door opener receiver and 2 transmitters; \$20.00. Kenwood PS-20; \$50.00. AA9BA, (414) 685-5018.

WANTED: R1000, TS-130v, TS140, and Nikon equipment. AA9BA, (414) 685-5018.

THE TEST POINT
(continued from page 3)
RACINE, WISCONSIN - ARRL/VEC

Monthly - first Saturday, except January, July, and August.

Monthly exams are given 9:00 to 11:00 a.m. at the Red Cross Building, 4521 Taylor Avenue, Racine. Walk-ins are permitted.

Inquiries and registrations should be directed to William Firchow, Jr., NW9P, 1912 27th Street, Kenosha, WI 53140, telephone (414) 658-8390.

TOMAHAWK, WI

Last Saturday of every month. Jan. thru Oct.

Tomahawk Volunteer Examiners (ARRL/VEC). Tomahawk, WI. No preregistration required, but appointment would be appreciated. Registration at 8:30 a.m. and testings starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Greg Garner, WA9W, 4088 Highway 51, Harshaw, WI 54529. Telephone (715) 453-7096.

STEVENS POINT, WI
Contact: Joe Larson, N9JW. (715) 344-1182.

Yellow Thunder Amateur Radio Club

WB9FDZ (Original Club Call) • K9ODK (Robert L. Prine Memorial Call)



Raymond J. Matlosz, N9MLZ, Secretary

450 West 2nd Street • Reedsburg, WI 53959



The October 12, 1993 meeting of the Yellow Thunder Amateur Radio Club, Inc., was called to order at 7:30 p.m. by Bob Sauvan, WI9Q.

The minutes of the last meeting, as published in the BSSS, were accepted. Jim Decker, WB9UQT, gave the Treasurers report.

OLD BUSINESS: Bob Sauvan reported on the results of Field Day. Our club scored 2356 points. In 1991 the club has scored 1326 points. L. J. Hemmer, WB9TFJ updated the club on ARES. Pete Sweeney, WD9JIB, will probably be designated as Emergency Coordinator. Members present were reminded about the Christmas party to be held at the Old Highway House Restaurant, West Baraboo, WI at 7:00 p.m. on Friday, December 10, 1993 (in place of the regularly scheduled December 16th meeting date). Cost of the dinner is \$7.00 for each person attending. There will be no gift exchange.

NEW BUSINESS: There was no new business.

Buck night winner was Gordon Grant, W9ULM who was not present. The meeting adjourned at 7:52 p.m. followed by a presentation by Bill Klinkner, N9KXX on VHF and UHF repeaters.

Respectfully submitted,
Raymond J. Matlosz, N9MLZ, Secretary

The next meeting will be held Wednesday, November 17, 1993 at the Baraboo Civic Center in room 14. Scheduled to follow the meeting is a program on computers and packet radio.

The following members and guests were present:

Raymond Matlosz, N9MLZ	Reedsburg
Bill Klinkner, N9KXX	Sauk City
Anne Klinkner, N9PQL	Sauk City
Duane Grotophorst, KA9HKL	Loganville
Thomas Harrison, N9PQJ	Reedsburg
Harry Mayland, K9EFT	Baraboo
Jim Decker, WB9UQT	Baraboo
Jim Paul, N9LKY	Merrimac
Ken Johnson, K9DZG	Mazomanie
L.J. Hemmer, WB9TFJ	Baraboo
Rohbert Hemmer, N9LXX	Baraboo
Peter Sweeney, WD9JIB	Reedsburg
Robert Sauvan, WI9Q	Sauk City
George Gabay, N9QQR	New Lisbon
Steve Schulze, N9UDO	Baraboo
Bill Hommel, KA9QFJ	Baraboo

Cuba City, WI 53807-1558
608-744-2704

This section of Badger State Smoke Signals is available to publicize your Volunteer Examiner Amateur Radio license examination schedules. Please send us your schedules of dates, times, and locations that you will be conducting examinations and we will include the information here. Be sure to include contact address and any other necessary requirements. Information should be sent to K9EN at the address shown on page 2.

Centipede to centipede. Sorry I'm late. I was playing This Little Piggy went to Market with my kid.

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KAUKAUNA, WI - SWAPFEST

MANITOWOC, WI, LAKESHORE HAMFEST

RACINE, WI - BIG BOY TOY SHOW

RHINELANDER, WI - NWARC SWAPFEST

STEVENS POINT, WI - CWRA SWAPFEST

WAUKESHA, WI - KMRA SWAPFEST

WAUKESHA, WI - MIDWINTER SWAPFEST

See the Swapfest column for additional information and contact persons.

APPLETON, WI - ARRL/VEC

MANITOWOC, WI (HAMFEST)

KAUKAUNA, WI (HAMFEST)

Conducted by the Fox Cities ARC VE team. All test session in Appleton are held at James Madison Jr. High, 2020 S. Carpenter Street. Candidates check in between 8 and 9 a.m. with testing starting at 9 a.m. No walk-ins after 9 a.m. Contact George R. Croy, W9MDP, 2113 Twin Willows Drive, Appleton, WI 54914. (414) 730-0967.

MENOMONIE, WI

The Northern Wisconsin RC will be sponsoring exams from 9:00 to 11:30 a.m. at the UW Stout Communication Center, 820 South Broadway, Menomonie, WI. Use the north entrance. Walk-ins only. Contact Jim Ley, NX9F. Work: (715) 232-1397, Home: (715) 235-3998.

RIVER FALLS, WI

Contact: Chuck Kelly, KA9YRV, (715) 425-2428.

LOVES PARK, IL

Third Saturday of every month. Northern Illinois Volunteer Examiners (Great Lakes ARC VEC). Held at North Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. Contact: Paul K. Dean, WB9HGZ, (815) 987-6754.

DUBUQUE, IOWA - ARRL/VEC

Amateur examinations will be held on Nov. 20 in 1993.


Great River Amateur Radio Club VEs are now field stocked, which means retests can be given immediately.

Exams are held at 9:00 am at the Central Fire Station, 9th and Central in Dubuque. Use the basement entrance on 9th street. For more info, contact Mike Jozefowicz, NS0U, 2735 Hickory Hill, Dubuque, IA 52001. Or call Mike at 319-582-8563. Talk-ins are on the 147.84/24, 147.63/03 and 146.295/895 repeaters.

Arthur A. Evans, KA9KLZ
213 N Jefferson St.

The Badger State Smoke Signals Shoppers' Guide

SWAPFESTS

 <p>21st ANNUAL MIDWINTER SWAPFEST WAUKESHA EXPOSITION CENTER WAUKESHA, WISCONSIN SUNDAY JANUARY 9, 1994</p> <p>1993 WINNERS Timothy J. Czerwinski, W09U, Chetek Robert J. Gommers, N9HAD, Madison Karen M. Schneider, N9SVA, Appleton</p> <p>Both Sponsored By THE WEST ALLIS RADIO AMATEUR CLUB, INC. P. O. BOX 1072 • MILWAUKEE, WISCONSIN 53201</p>	<p>HAM IT UP EVERY SPRING! MADISON SWAPFEST April 10, 1994 Dane County Expo Center Forum Building Sponsored by MARA/WB9AER</p> <p>P.O. Box 8890 (608) 249-7579 Madison, WI 53708-8890 Answer Machine</p>	<p>SOUTH MILWAUKEE AMATEUR RADIO CLUB SWAPFEST 94 July 9, 1994 (Held every July) Our 25th Year! American Legion Park Shepard Ave. • Oak Creek, WI</p> <p>(414) 762-3235 Extension 58 P.O. Box 102 South Milwaukee, WI 53172</p>
<p>Fox Cities Hamfest November 7, 1993 Starlite Club, Hwy. 55 north of Kaukauna</p> <p>HAMFEST INFO: Dan Vanevenhoven, N9LVS 2410 E. Newberry Ct. Appleton, WI 54915 414-739-5101</p> <p>EXAM INFO: Larry Siebers, KD9IA 414-788-3823</p>	<p>Lakeshore Hamfest & Computer Swapfest Manitowoc County Expo Intersection of Hwys 42-151 and I-43 on Cty Highway R Saturday, May 7, 1994</p> <p>For more information, call: Ron, WS9X: 414-793-4733 (Nights) Red, N9GHE: 414-684-9097</p> <p>ManCoRad Radio Club • P.O. Box 204 • Manitowoc, WI 54221-0204</p>	<p>Sponsored by the Peoria Area Amateur Radio Club</p> <p>HAMFEST AND COMPUTER FAIR</p> <p>Exposition Gardens Northmoor & University Peoria, Illinois</p> <p>MANUFACTURER REPS • COMMERCIAL DEALERS HUGH FLEA MARKET of RADIO and COMPUTER GEAR FREE / HANDICAPPED PARKING - FORUMS - LOTS of PRIZES LADIES' ACTIVITY (SAT) - HAM EXAMS (SUN) - FOOD (Pork Chops) GATES OPEN 6 am - COMMERCIAL BUILDINGS OPEN 8 am - TALK IN: 146.16/76 TICKETS AT GATE \$5: GOOD BOTH DAYS (Under 16 Free)</p> <p>For advance ticket (\$5 ea.) with two prize stubs and/or information send SASE to: Peoria Area Amateur Radio Club, P.O. Box 3508, Peoria, IL 61612-3508 or telephone answering machine 309/685-6698.</p>
<p>15th Annual CWRA SWAPFEST UNIVERSITY CENTER, U.W. STEVENS POINT</p> <p>Info: Art Wysocki, N9BCA 715-344-2984 3356 April Lane Stevens Point, WI 54481</p>	<p>EAU CLAIRE AMATEUR RADIO CLUB SWAPFEST July 23, 1994 Chippewa Falls Fairgrounds</p> <p>Mike Ceraso, N9JMA 2432 Shafer Road (715) 723-9205 Eau Claire, WI 54729</p>	<p>ROCKFORD HAMFEST AND COMPUTER SHOW Sunday, April 17, 1994 Rockford Metro Centre</p> <p>Write to: R.A.R.A., P.O. Box 6931, Rockford, IL 61125. For more info, call 1-815-399-6995</p>
<p>Ozaukee Radio Club 15TH ANNUAL RADIO AND COMPUTER SWAPFEST</p> <p>8 a.m. to 1 p.m. • Circle B Recreation Center Intersection of Highway 60 and County I Exams by Badger Examiners, c/o Gary Sharbuno, 5119 W. Willow Rd., Brown Deer, WI 53223 Swapfest sponsored by Ozaukee Radio Club 11448 N. Laguna Drive • Mequon, WI 53092</p>	<p>Kettle Moraine Radio Amateurs</p> <p>Waukesha County Expo Center</p> <p>Info: KMRA Swapfest P.O. Box 411 Waukesha, WI 53187-0411</p>	<p>Northern Wisconsin Radio Club AUCTION February 22, 1994 • 7:00 p.m.</p> <p>American Legion Post 53 • 634 Water Street Eau Claire, WI</p> <p>CONTACT: Steve Hart, KA9OMC 715-665-2374 Route 1 Box 54 Knapp, WI 54749</p>

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